



Formación de usuarios

MOSKITO



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MOSKITO

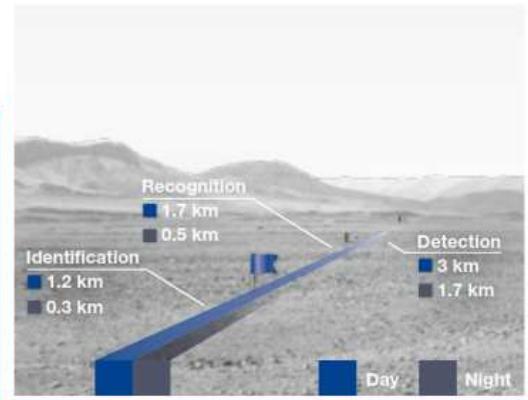


Descripción general del instrumento

Capacidades Principales MOSKITO



Canales de observación



Observation Range

- Day: NATO Target (2.3 x 2.3 m, reflectivity 10%), observer visibility 10 km
- Night: 10 mlux, quarter moon



Observation by day

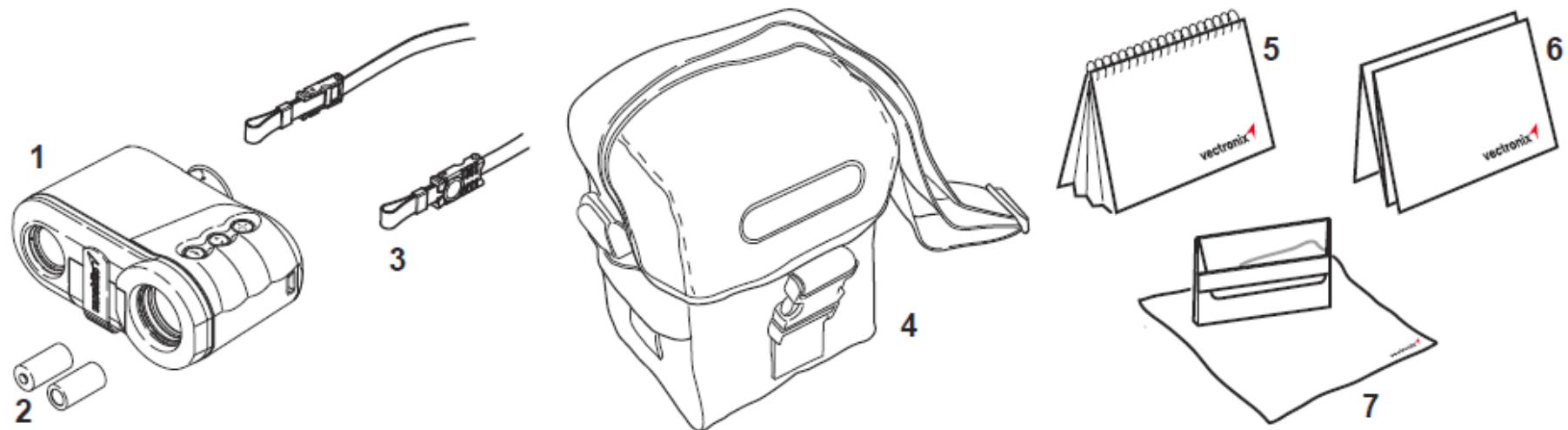
- High resolution glass optics with 5x-magnification for clear recognition and identification of threats



Observation at night

- The night operation mode is immediately activated whenever required
- Measurements can be taken just like by day
- Reduced training effort
- 3x magnification

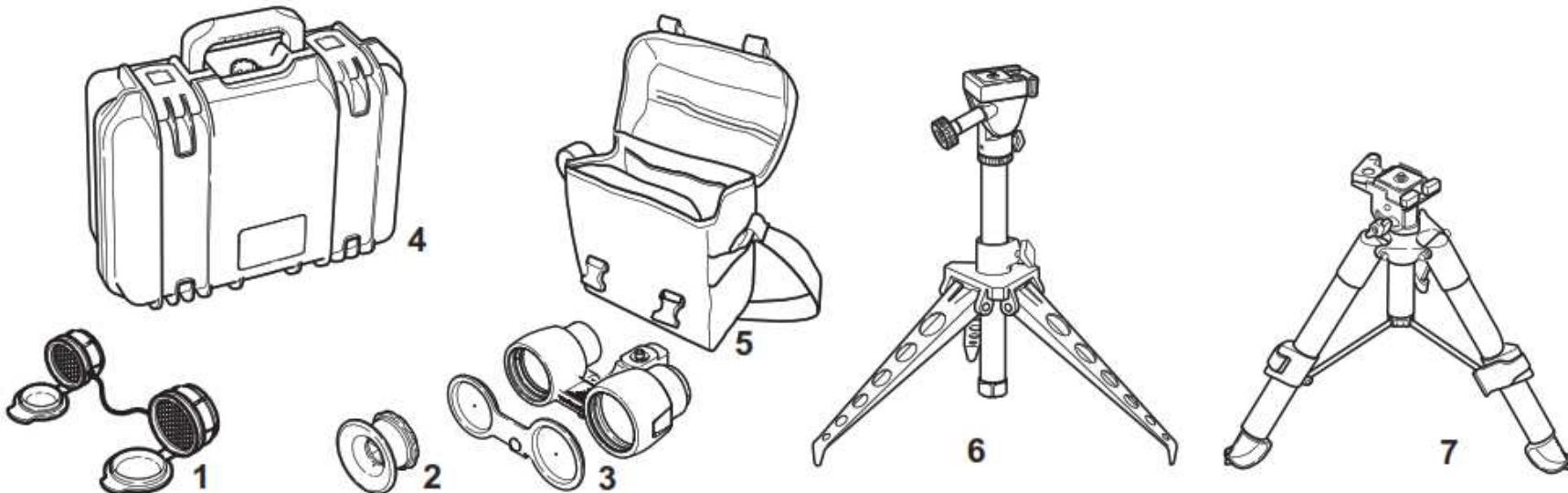
Alcance de suministro (1)



Standard extent of delivery:

- | | | | | |
|---|---------|---|---------|--|
| 1 | MOSKITO | 5 | 907 328 | UserManual, English |
| 2 | 667 002 | 6 | 906 202 | 3V lithium batteries, type CR123A, 2 pieces
Short Instruction |
| 3 | 636 965 | 7 | 906 430 | STR1 neck strap
Micro fibre lens cloth |
| 4 | 906 427 | | | Pouch for MOSKITO, black |

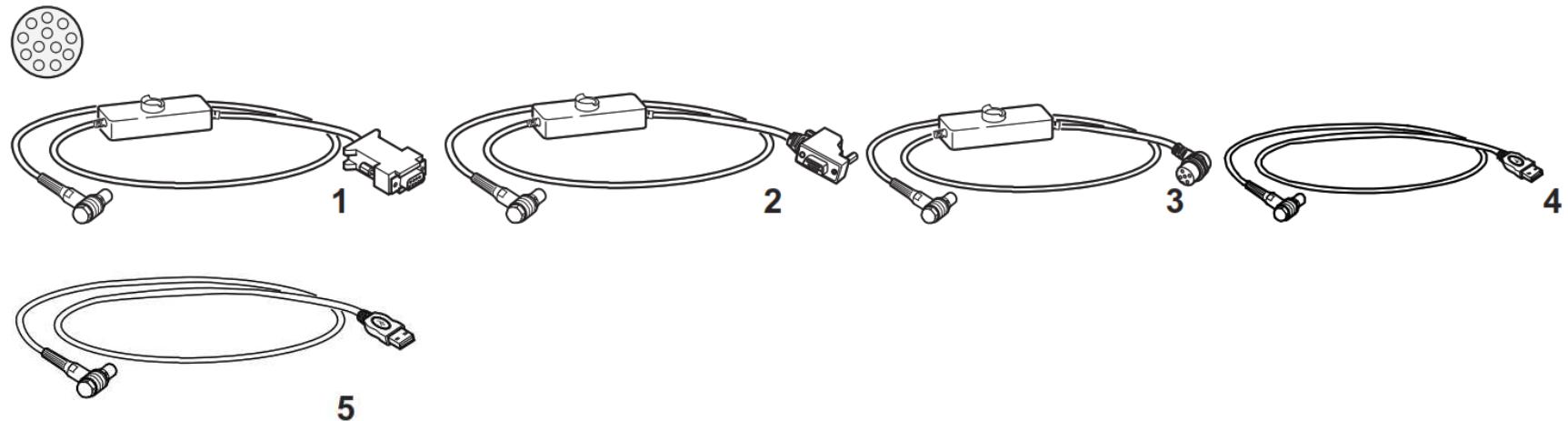
Alcance de suministro (2)



Optional:

- | | | |
|----------|---------|---|
| 1 | 906 429 | Anti-reflective cap for day and night channel (pair) |
| 2 | 907 611 | Push-eye cup |
| 3 | 909 074 | Enhancer BE20 for MOSKITO |
| 4 | 908 224 | Transport case, hard shell, black |
| 5 | 909 472 | Pouch for MOSKITO and BE20 |
| 6 | | SST3 non-magnetic mini-tripod series, ask for more information |
| 7 | | TOT non-magnetic ultra lightweight Tactical Operation Tripod series, ask for more information |

Alcance de suministro (3)



- | | | |
|----------|---------|---|
| 1 | 901 600 | SEV72 Data cable with trigger for PC with 9-pin D-Sub connector |
| 2 | 901 601 | SEV73 Data cable with trigger for PLGR/DAGR |
| 3 | 904 001 | SEV89 Data cable with trigger for Garmin 12/ 60/ 72/ 76 |
| 4 | 911 136 | SEV118 Data cable USB to RS232 serial for PC |
| 5 | 907 923 | SEV105 Data cable for PC with USB connector (SW update) |

Datos Técnicos (1)

Optics

	Day mode	Night mode
Monocular Observation		yes
Magnification	5 x	3 x
Field of view	107 mil / 6 °	187 mil / 10.5 °
Objective diameter	30 mm	40 mm
Focus	fixed	adjustable
Engraved Reticle graduation	5 mil	-
Electronic Reticle	-	yes
Eye relief		23 mm
Dioptic setting		- 4 to + 4 diopter
1064 nm laser protection att. factor		> 4 O.D. (Optical Density)
Image Intensifier Type*	-	PHOTONIS XR5™ PHOTONIS INTENS™ Exelis (ITT) GEN III

* Subject to configuration

Datos Técnicos (2)

Rangefinder (distance)

Beam divergence	~ 0.5 x 0.9 mrad
Units	Metre/ Yard/ Feet
Specified performance at visibility 10km, 2.3 x 2.3m target, albedo 0.3 detection probability 90%	4000 m
Minimum Distance	5 m
Laser wavelength	1550 nm
Laser class 1 (eye-safe) per EN 60825-1 Ed 2.0 (2008), ANSI Z 136.1 (2014), FDA 21 CFR Ch. 1 § 1040	yes
Accuracy (1σ)	± 5 m
False alarm rate	< 2 %
Distance Resolution on display m / yd / ft	1 / 1 / 1
Height Resolution on display m / yd / ft	1 / 1 / 1
Time per measurement	~ 1 s
Max. Repetition rate per minute	12

Datos Técnicos (3)

Digital Magnetic Compass (azimuth and inclination)

Units	6400 mil / 360°
Resolution on display	1 mil / 1°
Azimuth accuracy (1σ)	± 10 mil / ± 0.6° MOSKITO AERO: for inclination angle < 45°
Azimuth accuracy (1σ) with PPS compensation on tripod, typical	± 5 mil / ± 0.3° MOSKITO AERO: for inclination angle < 45°
Inclination accuracy (1σ)	± 3 mil / ± 0.2° MOSKITO AERO: for inclination angle < 45°
Maximum inclination angle	± 45° MOSKITO AERO: -30° to +90°
Maximum bank angle	± 45°
Declination, adjustable	± 3200 mil / ± 180°
Compass compensation menu guided	yes

Datos Técnicos (4)

Miscellaneous

Power supply	3V lithium batteries, 2 pieces, type CR123A
Battery capacity (at 20°C/68°F)	24 hours night vision operation plus more than 2000 measurements
Protective covering	environmentally sealed
Operational temperature range	-35° to +52° / -31°F to +125°F
Storage temperature range (without batteries)	-40° to +65° / -40°F to +149°F
Shock resistance	40g / 11ms / xyz axes
Vibration resistance	10 to 500 Hz for 30 minutes, xyz axes
Dimensions (L x W x H)	130 x 185 x 80 mm / 5.1 x 7.3 x 3.1 inch
Tripod bushing thread	1/4"
Weight (incl. batteries and neck strap)	<1200 g / <42.3 oz
Interface	RS232 (optional: RS422, RS485, Bluetooth)

Avisos de seguridad (1)

The basis for the safe use of this MOSKITO depends on:

1. A thorough knowledge and compliance with this user manual.
2. Understanding of, and compliance with, unit Standard Operating Procedures (SOP), local range instructions, laws, and the current - applicable Rules of Engagement (ROE).

Important!

Always keep this user manual with the MOSKITO for ready reference as needed.

Intended purpose

The MOSKITO

- is designed as a target acquisition unit;

- can be used in addition to other instruments or techniques;
- must never be used as a sole navigation instrument.

Limitations of use

The MOSKITO must not be used in the vicinity of sensitive electrical equipment. All other usage limitations are mentioned in the technical specifications.

Inappropriate use

- MOSKITO deployment without prior knowledge of the operating instructions and safety notices.
- Changes and modifications to the MOSKITO by the operator.
- Use of accessories not expressly approved by Safran Vectronix AG.

- Working in an explosive environment or underground.
- Any testing or inspection of the MOSKITO that is not addressed in this user manual.

- Use of the MOSKITO without prior familiarisation & training.
- Use outside of the intended limits.
- Opening the MOSKITO (except for the data cable and battery compartment covers) using tools, for example screwdriver.
- Use after misappropriation.
- Use of a MOSKITO with obviously recognizable damage or defects.

Unfamiliar or inappropriate use may result in:

- malfunction;
- unintended damage to property;
- unintended injuries or death.

Avisos de seguridad (2)

- guarantee becoming null and void.

Obligation of the Operator

The person responsible for the MOSKITO must ensure that

- the operators are qualified according to the local authorities directives;
- all users understand these directives and adhere to them.

Eye safety

EN 60825-1 Ed 2.0 (2008)

ANSI Z 136.1 (2014)

FDA 21 CFR Ch. 1 § 1040



Avoiding storage and transport damage

- Remove the batteries prior to prolonged storage. Battery leakage can damage the MOSKITO.
- Observe the permissible storage temperatures.
- Do not expose the MOSKITO to strong mechanical shocks or abrupt temperature transitions during transport (condensation).
- Use the pouch and transit case or equivalent packaging for shipment.

Avoiding measurement errors

- Note the factors affecting measurement accuracy (see pages 22-24).
- Always perform test measurements after the MOSKITO has been exposed to rough handling (vibration, falls, etc.), and before carrying out important measurement tasks.
- Do not dispose of the MOSKITO, parts or batteries in the trash.

Blinding hazard

- Do not look into powerful light sources with the MOSKITO.
- Do not open the MOSKITO. The built-in laser can cause eye injuries.
- Although an eye-safe class 1 laser product, refrain from looking directly at the beam while making a measurement.

Avisos de seguridad (3)

Detection hazard

The detectability of the user's position is not covered in this manual. The user must take responsibility.

Battery safety

The battery must not be

- short-circuited;
- recharged;
- mechanically modified;
- placed in fire or heated above +65°C with the MOSKITO.
- used or handled when damaged or leaking. If you come into contact with the electrolyte, wash the affected area with water and soap. If in contact with the eye, flush eye with water and seek medical advice. If swallowed, consult a doctor immediately.

Physical injury hazard

- Take care when holding the MOSKITO up to the face to take a measurement to avoid injury to the eye or surrounding tissue.
- Using the MOSKITO while walking increases the risk of injury for the user and others.
- Do not place the MOSKITO on a vehicle parcel shelf or dashboard – risk of injury when braking.
- When not in use, store the MOSKITO securely to avoid injury from device falling onto personnel.
- Carrying strap can snag and cause strangulation or neck injury e.g. in case of a fall.
- Check the carrying strap at regular intervals, and replace if damaged.

Avisos de seguridad (4)

Environmental hazard

The MOSKITO contains certain components that should be treated as hazardous waste, and must therefore be disposed of via a specialist dealer.

- Deposit used batteries at a proper collection point.

Avoiding damage to the night vision functionality

- In night mode do not expose the MOSKITO to direct sunlight or to hot rooms due to the risk of damaging the built-in night vision functionality. Refer to page 88 for information about temperature limits.

For more information about night mode refer to page 18.

GPS functionality

- The MOSKITO uses the GPS C/A-Code signal which under U.S. policy may be switched off without notice.

Descripción general del instrumento (1)

Localizador Laser

- Clase 1 seguro para los ojos
- Alcance rendimiento 10 km
- Alcance especificado 4 km
- 1550 nm (invisible para NVG)

Canal Nocturno

- aumento 3x
- II tubo XR5, con compuerta automática
- Reconocimiento 660 m a 10 mlx

Brújula Magnética Digital

- Acimut
- Inclinación

Canal diurno

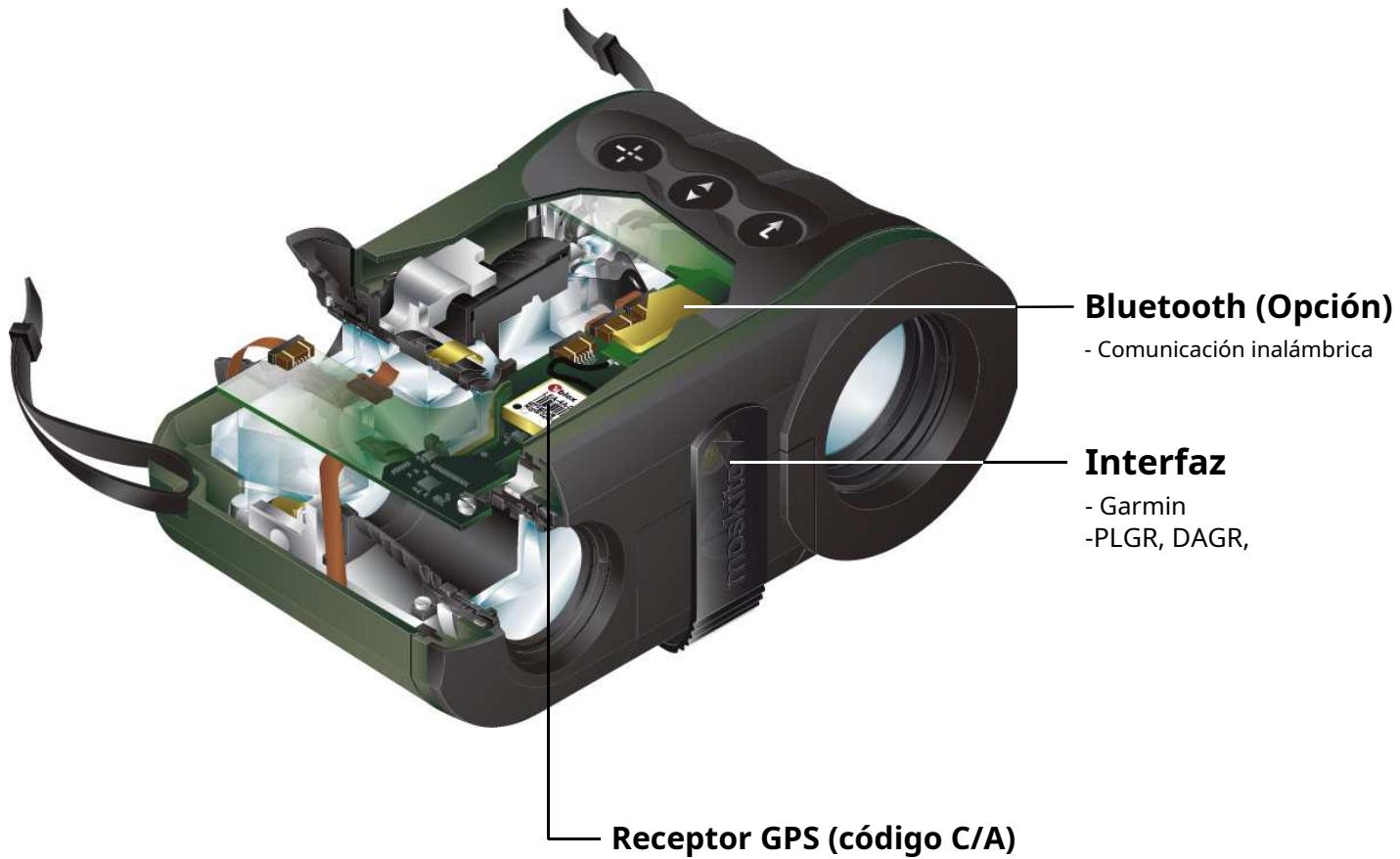
- Aumento 5x
- DRI 4 / 2.2 / 1.3 km a 20 km de visibilidad

Interfaz RS232
a C4I, GPS, PDA...

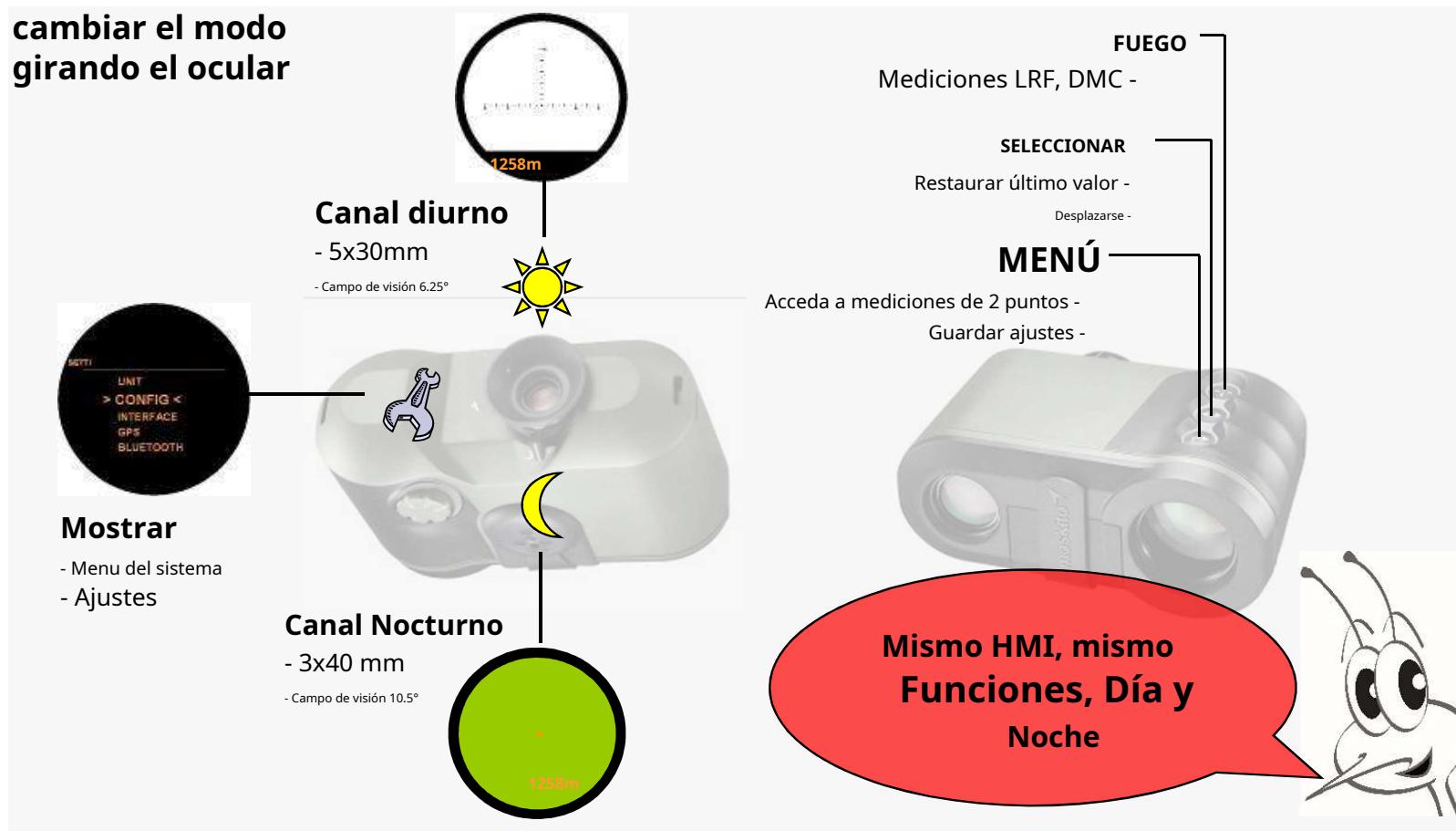
Todas las funciones en
menos de 1,2 kg



Descripción general del instrumento (2)



Descripción general del instrumento (3)

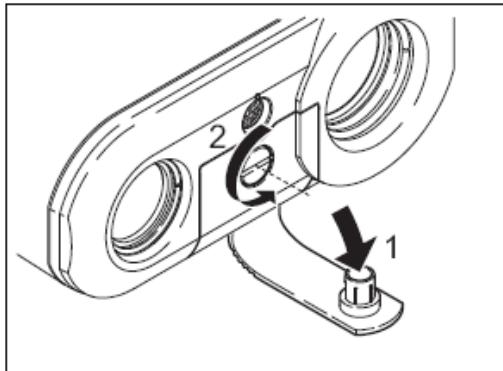


MOSKITO



Empezando

Primeros pasos: Cambiar, insertar las pilas

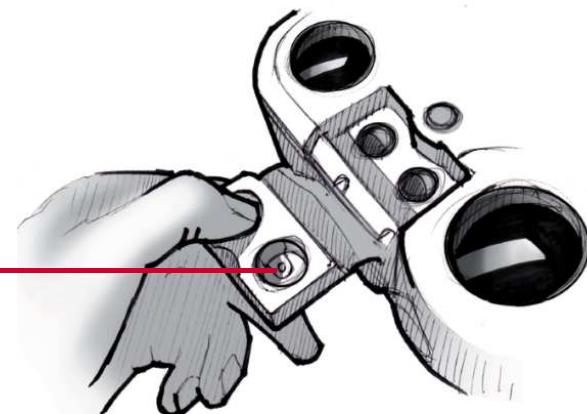


1. Remove the connector protection cap.
 2. Using a suitable tool or a coin release the central cover screw and the battery compartment cover.
 3. Insert/replace both 3V lithium batteries, type CR123A or equivalent.
- Refit the battery compartment cover and retighten the screw.

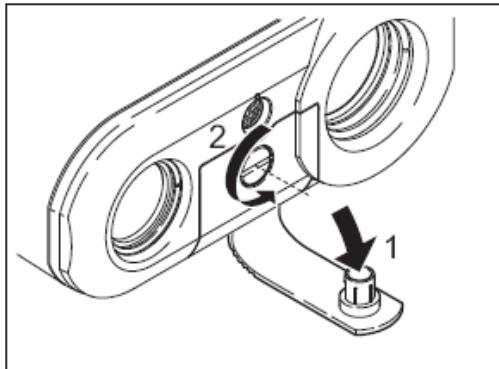
El símbolo de la batería dentro del Compartimento muestra el Dirección de la batería

Contacto metálico

Puede sentir un bulto en los contactos metálicos.
-golpe va al polo de la batería plana (menos)

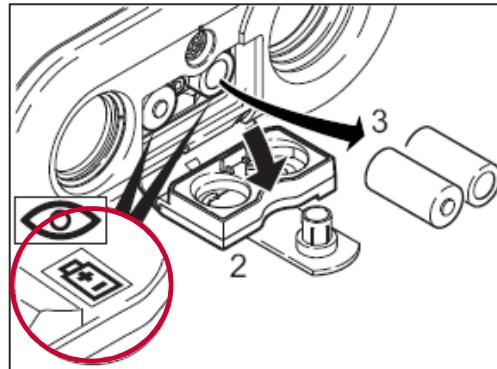


Primeros pasos: Cambiar, insertar las pilas

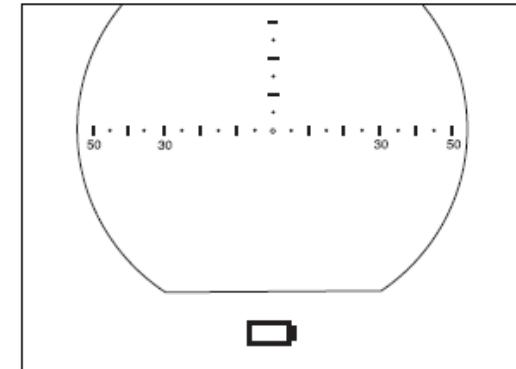


1. Remove the connector protection cap.
2. Using a suitable tool or a coin release the central cover screw and the battery compartment cover.
3. Insert/replace both 3V lithium batteries, type CR123A or equivalent.

Refit the battery compartment cover and retighten the screw.



El símbolo de la batería dentro del Compartimento muestra el Dirección de la batería



MOSKITO monitors the batteries' condition and shows the approximate remaining capacity. If the display shows "████", this indicates that the batteries are empty. You can still get readings, but the batteries need to be replaced soon.

Primeros pasos: Batería CTL

TIPO:2x CR123A Litio 3V



Datos técnicos

Capacidad de la batería:

Operación de visión nocturna las 24 horas más más de 2000 mediciones con un juego de baterías



Realice la calibración de la brújula después del cambio de baterías



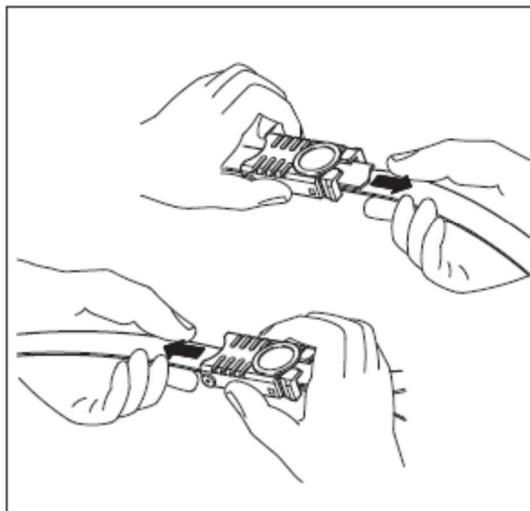
Las baterías de litio pueden

explosionar No:
Cortocircuito
Recargar

Almacenar a temperaturas superiores a 54°C
Mantener cerca de llamas abiertas
Almacenar con otros materiales peligrosos
Abrir, aplastar, perforar o romper

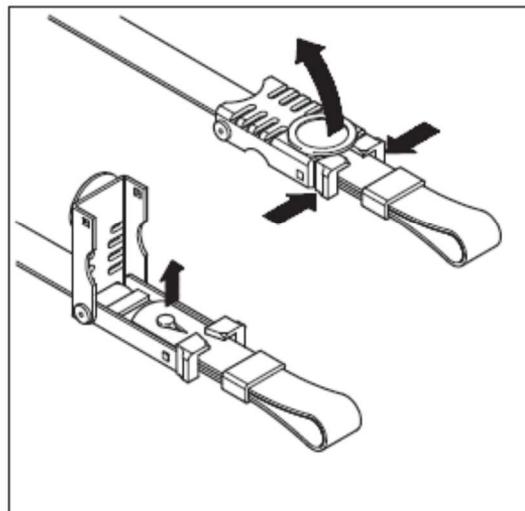
Primeros pasos: ajuste, extracción de la correa para el cuello

Adjusting the neck strap



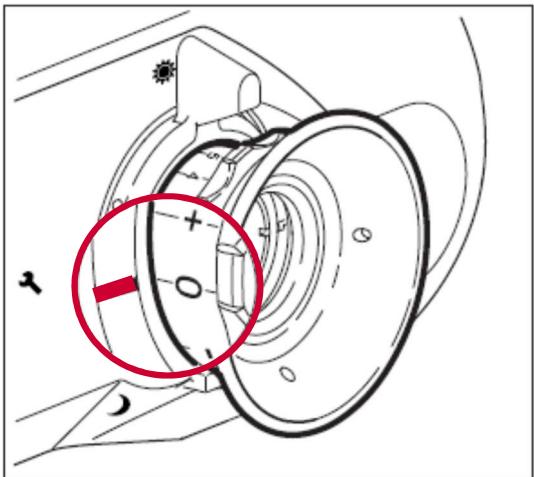
Adjust the length of the neck strap by pulling the strap slowly but firmly around the back of the catch.

Removing the neck strap



Open both catches:
Squeeze the two clips together and lift the cover. Remove the strap ends and pull them through the lugs on the MOSKITO.

Primeros pasos: Ajuste dipotrico



Sight on reticle or display and rotate the eyepiece to obtain a sharp crosshair or a clear display.
Standard setting: 0 dioptres (as shown above).

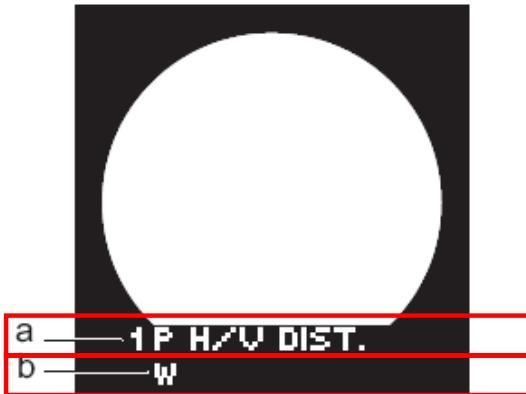
Los dipotres son iguales a las dioptrías de anteojos normales.

Datos técnicos

- Configuración de dioptrías

+/- 4 dioptrías

Primeros pasos: información general de la pantalla



- a) Fila de datos: muestra los resultados de la medición, el menú de medición o las advertencias
- b) Fila de estado: muestra información, por ejemplo, indicaciones de advertencia, transferencia de datos o estado de la batería

Símbolos de estado

- : Missing DMC compensation indicator. Refer to page 51 for more information.
- : indicates a warning. Change to configuration mode to view more information about the warning.
- : Data transfer to PC. Refer to page 33 and 80 for more information.
- : Data transfer to GARMIN. Refer to page 97-98 for more information.
- : 3 DISTANCE: More than one distance measured. Refer to page 27 for more information.
- : Data transfer from PLGR/DAGR. Refer to page 96 for more information.
- : Battery almost empty. Refer to page 93- 94 for more information.
- : GPS functionality Refer to pages 34-39 for more information.
- : Data transfer via Bluetooth Refer to pages 64-66 for more information.

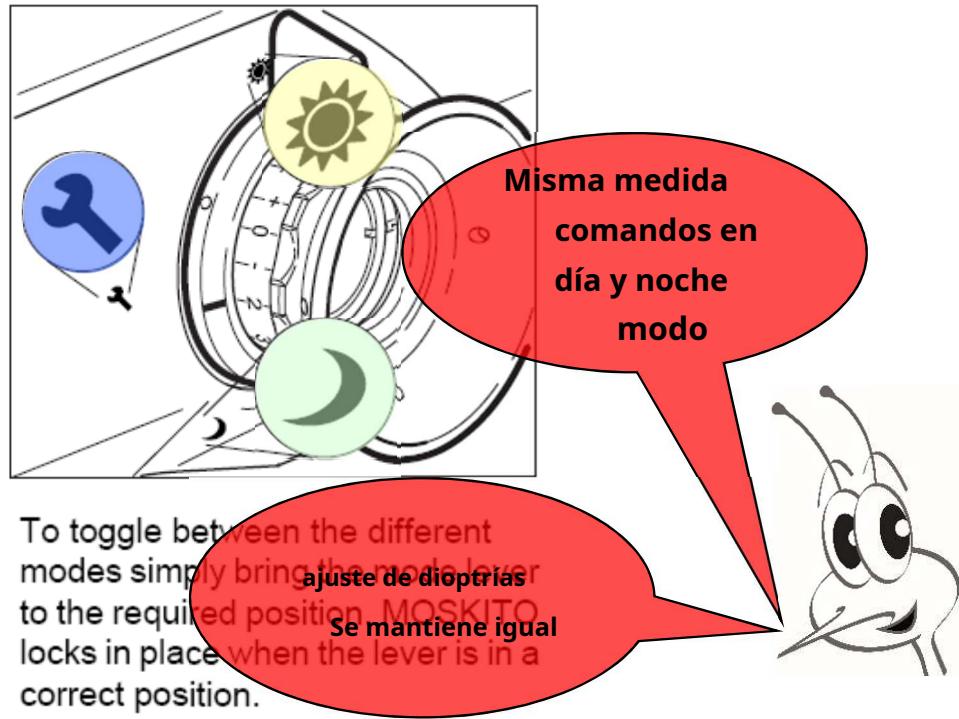
Primeros pasos: funcionalidad básica (1)

MOSKITO ofrece la siguiente funcionalidad básica:

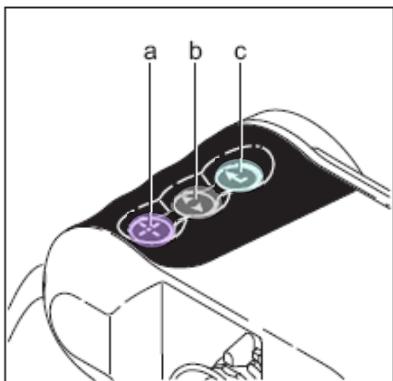
-  medir en**modo día** posición de las 12 en punto

-  Multiple instrument settings in **configuration mode**
9 o'clock positon

-  medir en**modo nocturno** posición de las 6 en punto



Primeros pasos: funcionalidad básica (2)



a) FIRE:

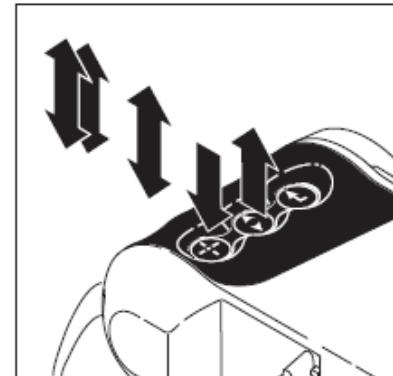
- LRF, DMC measurements
- Recall last 2-point measurement

b) SELECTION:

- Scroll through measurements, menus
- Get back one step

c) MENU:

- Access to menus, GPS data
- Store value, save settings



↓ press and hold down the key

↑ release the key

↔ press and release the key
(click)

↙ double-click to recall the last
used measurement function.

MOSKITO

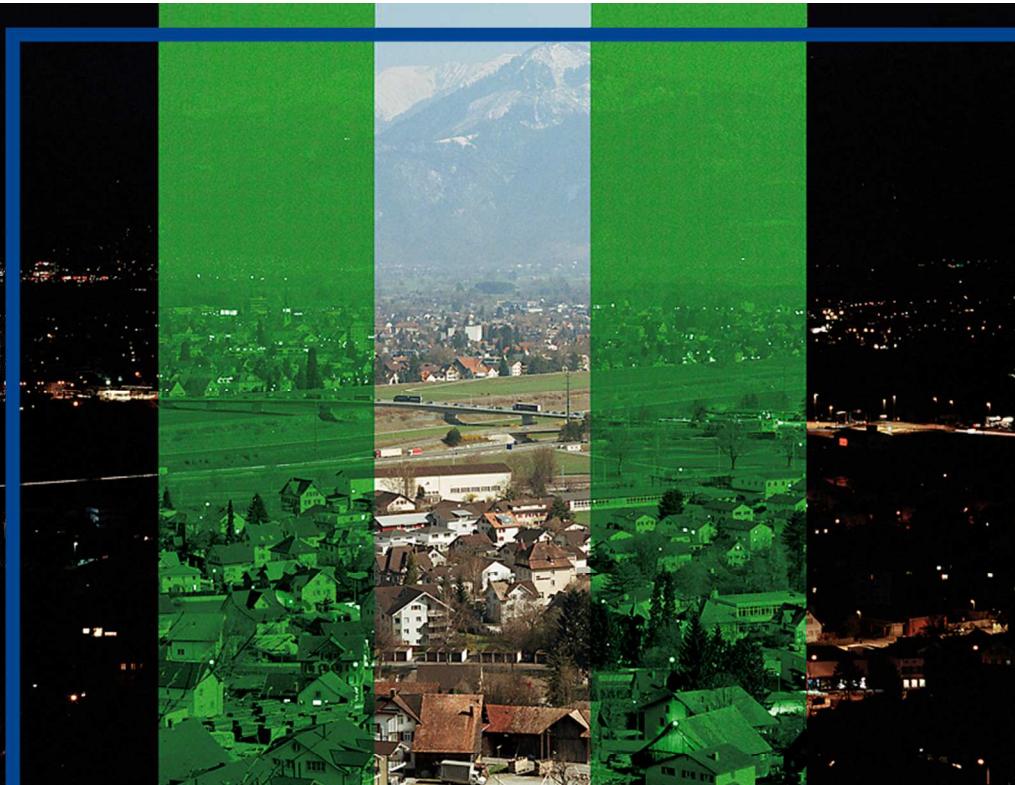


Las manos en

Meta:

- Consultar Alcance del Suministro
- Baterías
- Ajustes
- Encender / apagar
- Cambiar canales

MOSKITO



**Modo día y noche
Extracto óptico**

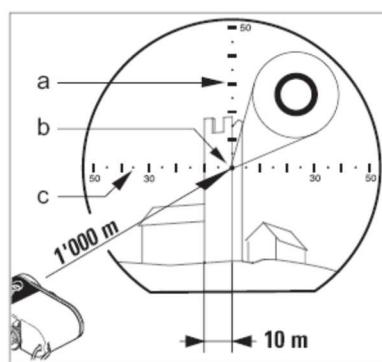
Modo día y noche: modo día



Datos técnicos

- <u>Aumento</u>	5x
- Diámetro del objetivo	30mm
- <u>Campo de visión</u>	111 mil / 6,25°
- <u>IDR</u>	4 / 2,2 / 1,3 km a 20 km
visibilidad	
- <u>Alivio del ojo</u>	23mm
- Enfocar	Fijado
- Protección láser de 1550 nm. att. Factor	> 4 OD (densidad óptica)

retícula grabada



- a) Line
- b) Pointing circle c) Line-point

Line spacing: 10 mils

Line-point spacing: 5 mils

Pointing circle: 1 mil

i 10 mil corresponds to 10 m
spacing at a distance of
1 km.

Modo Día y Noche: Modo Noche



Cambiar del modo día al modo noche

Uso de la palanca de modo

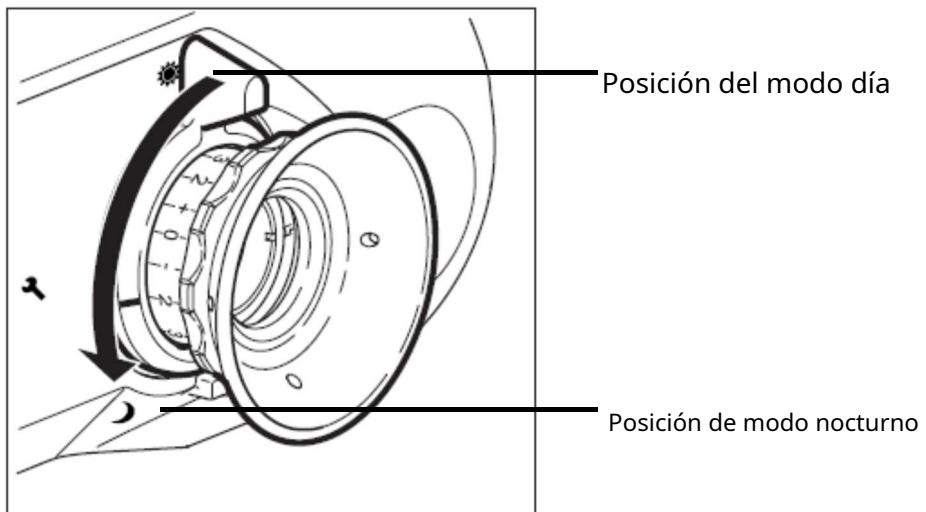
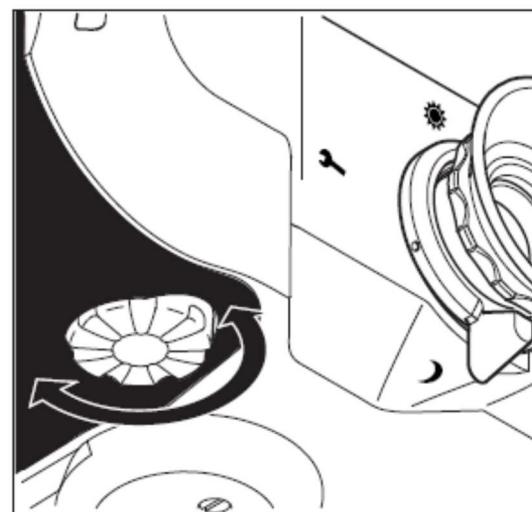


Imagen nocturna de enfoque



Gire la rueda de enfoque de visión nocturna para obtener una imagen nocturna nítida.



En el modo nocturno, nunca apunte el MOSKITO hacia el sol o una fuente de luz brillante. Nunca deje el MOSKITO expuesto a la luz solar directa.

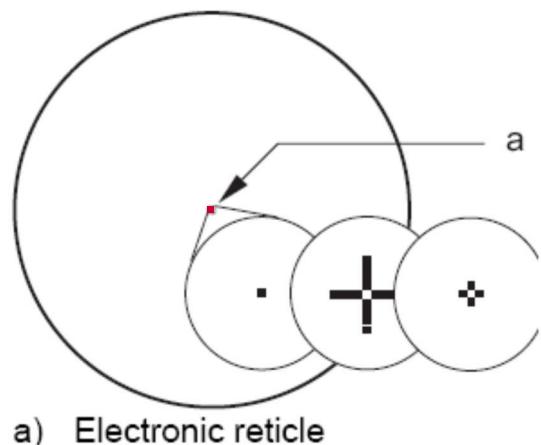
Modo Día y Noche: Modo Noche



Datos técnicos

- Ampliación 3x
- Diámetro del objetivo 40mm
- Campo de visión 187 mil / 10,5°
- Reconocimiento > 600 m a 10 milx 23
- Alivio del ojo mm
- Enfocar ajustable
- Protección láser de 1550 nm. att. Factor > 4 OD (densidad óptica)
- Tipo de intensificador de imagen DEP XR5

retícula electrónica



a) Electronic reticle

- La retícula electrónica (iluminada) se proyecta en el canal nocturno desde la pantalla
- 3 tipos diferentes de retícula están disponibles bajo configuración

Night mode

- The laser measures inside the electronic reticle with a tolerance of 1 mil.

MOSKITO



Medida de distancia



Medición: información general de medición



Información general de medición

- To perform any measurement MOSKITO needs to be in day mode ☀ or night mode ☾.
- Any measurement is triggered by the FIRE key (+).
- Hold the MOSKITO steady during measurement.
- The MOSKITO displays the measurement result, then switches itself off automatically - according to current settings (see "General timeout", page 45, and "Menu timeout", page 46).
- In day mode the MOSKITO shows the measurement results in front of a black background.



Cuando las mediciones se activan en una sucesión demasiado rápida (<3 s).
MOSKITO pantallas **LÁSER BLOQUEADO**. (Seguridad ocular)

Mostrar el resultado:



MOSKITO siempre realiza mediciones combinadas de distancia y ángulo.

Para mostrar todos los valores, use el botón para desplazarse.

Medidas de la tienda:

Presa ↪ por aprox. 2 segundos para almacenar la medida real.

Aparecerá un mensaje en la pantalla.



Presa ↪ por aprox. 2 segundos otra vez para confirmar/almacenar.
O
Presa ↪ por aprox. 2 segundos para cancelar.

Medida: Menú



Menú de medición

With the MOSKITO in day mode ☼ or night mode ☽ click ⌂, the measurement menu will appear in following structure:

- ⌂ 1P H/V DIST.
- ⌂ 2P SLOPE DIST.
- ⌂ 2P H/V DIST.
- ⌂ 2P AZI H DIST
- ⌂ 2P REL. ANGLES
- ⌂ FOS*

GPS menu ☽GPS:

If the internal GPS (**INT. GPS**) is activated (see page 62), the GPS MENU will also be available. After clicking ⌂ the menu structure will be:

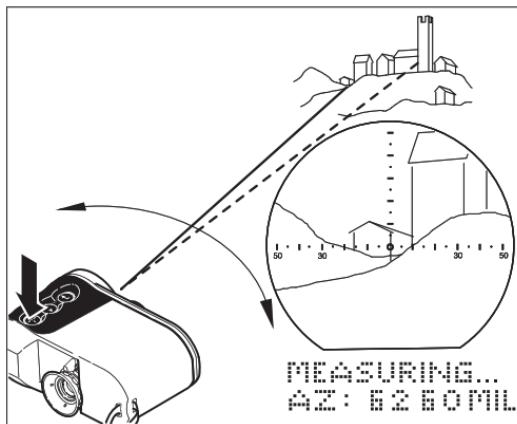
- ⌂ GPS MENU
 - ⌂ POSITIONING
 - ⌂ STATUS
- ⌂ MEASUREMENTS
 - ⌂ 1P H/V DIST.
 - ⌂ 2P SLOPE DIST.
 - ⌂ 2P H/V DIST.
 - ⌂ 2P AZI H DIST
 - ⌂ 2P REL. ANGLES
 - ⌂ FOS*

* FOS - Fall of Shot; optional functionality

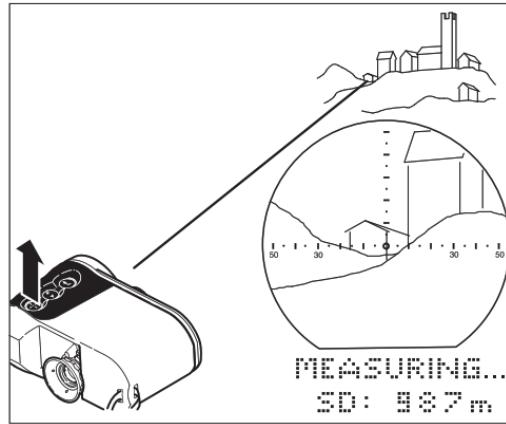
Medida: Distancia de pendiente



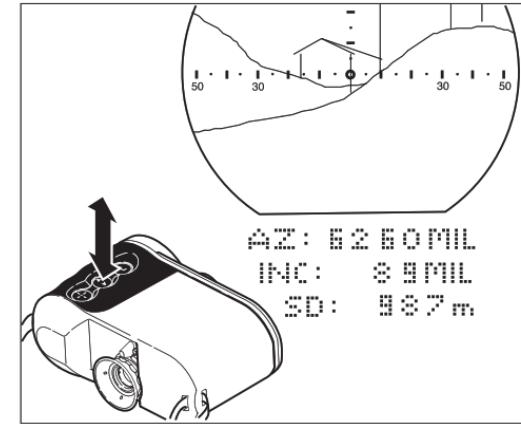
Distancia inclinada con acimut y elevación



Sight the object with the aiming mark and press and hold . The current azimuth is displayed.



Hold the MOSKITO steady as you release the **FIRE** key (). The measurement is started, "**MEASURING...**" is displayed.



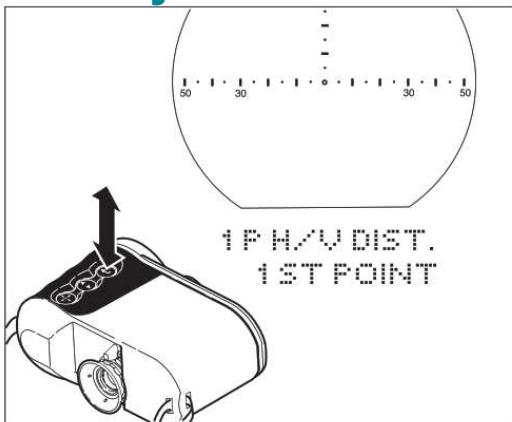
Read off the distance. Click to toggle between the different measurement results for slope distance, azimuth and inclination (**SD, AZ, INC**).

If "----" appears in the display, the object lies outside the measuring range, or measuring conditions are poor (see page 22).

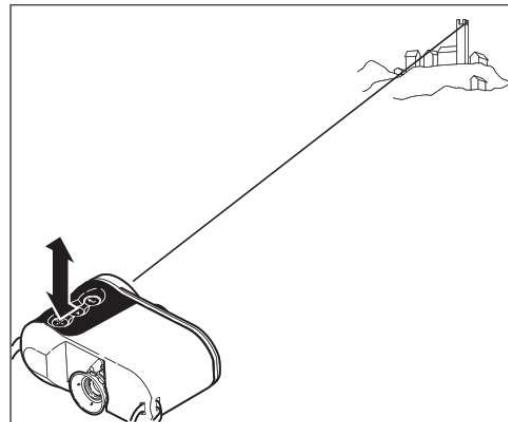
Medida: 1P H/V DIST



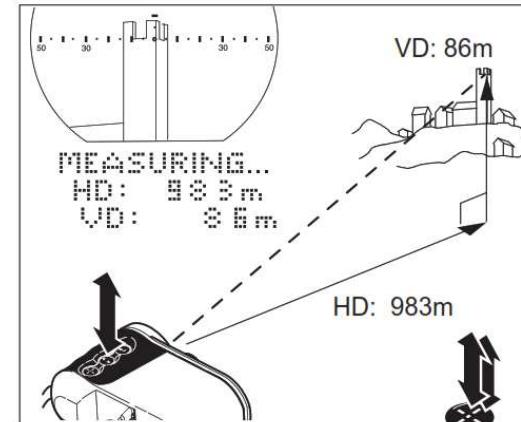
Distancia horizontal y diferencia de altura entre su posición y un objeto remoto



1. Click to enter the measurement menu.
1P H/V DIST. is displayed.
2. Click to confirm the selected measurement mode.
1ST POINT is displayed.



Sight the object with the aiming mark, press and release while holding the MOSKITO steady.



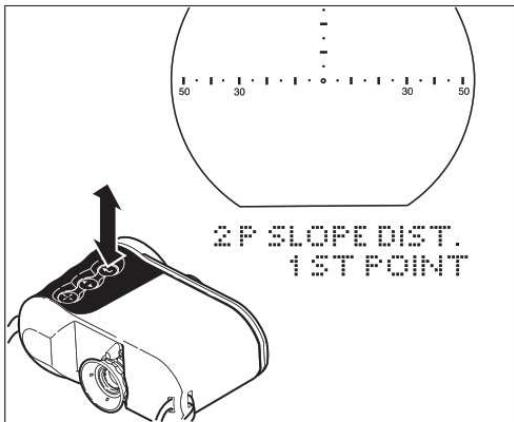
The horizontal distance (**HD**) is displayed. Click to toggle to the height difference (**VD**).

double-click to recall the measurement function.

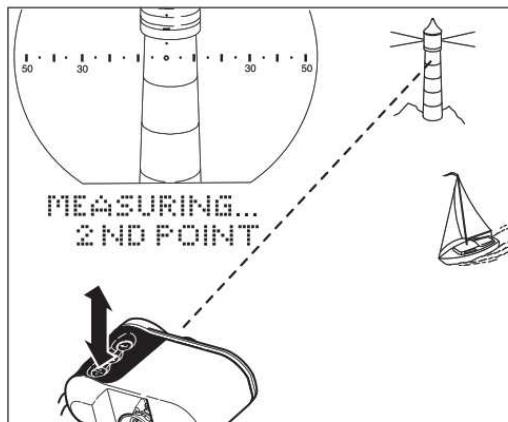
Medida: 2P PENDIENTE DIST



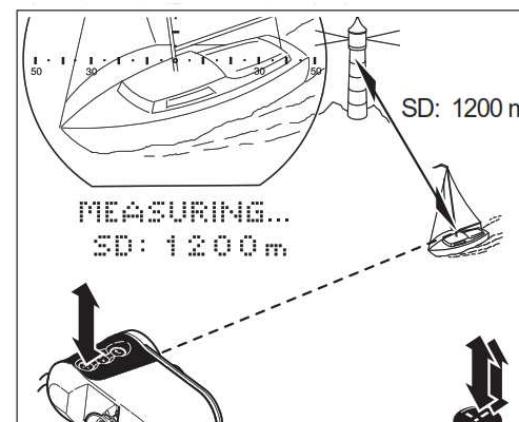
Distancia inclinada entre dos objetos



1. Click to enter the measurement menu.
2. Click to choose **2P SLOPE DIST.**
3. Click to confirm the selected measurement mode.
1ST POINT is displayed.



Sight the first object with the aiming mark, press and release while holding the MOSKITO steady. The first object is measured, MOSKITO shows **2ND POINT**.



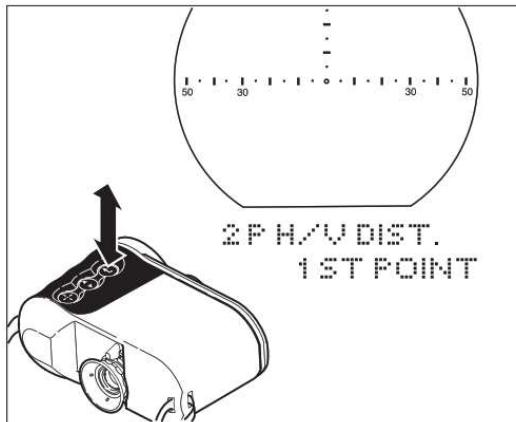
Sight the second object. Press and release while holding the MOSKITO steady. The slope distance (**SD**) between the two objects is displayed.

double-click to recall the measurement function.

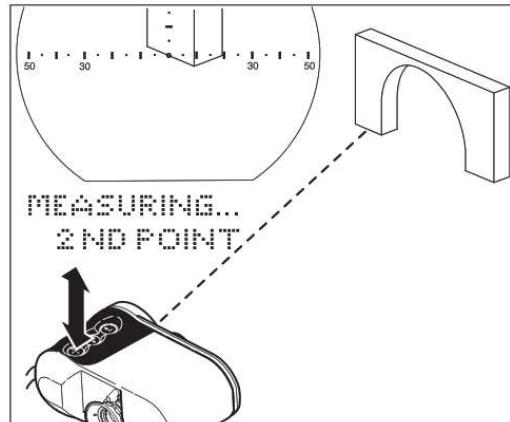
Medida: 2P H/V DIST



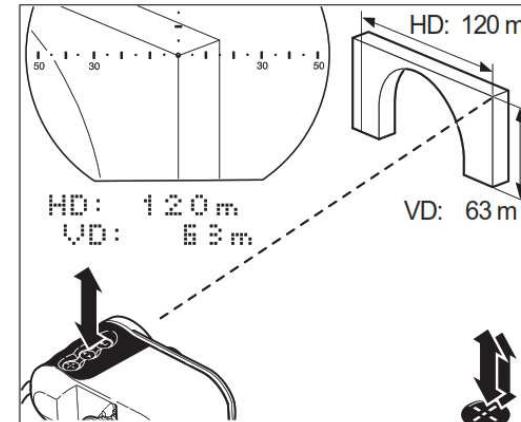
Distancia horizontal y vertical entre dos objetos.



1. Click to enter the measurement menu.
2. Click to choose **2P H/V DIST.**
3. Click to confirm the selected measurement mode.
1ST POINT is displayed.



Sight the first object with the aiming mark, press and release while holding the MOSKITO steady. The first object is measured, MOSKITO shows **2ND POINT**.



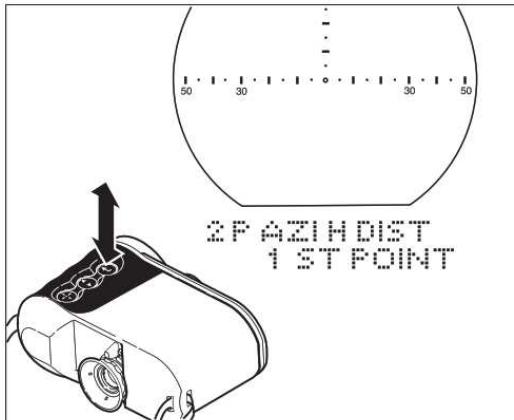
Sight the second object. Press and release while holding the MOSKITO steady. The horizontal distance (**HD**) is displayed. Click to toggle to the vertical distance (**VD**).

double-click to recall the measurement function.

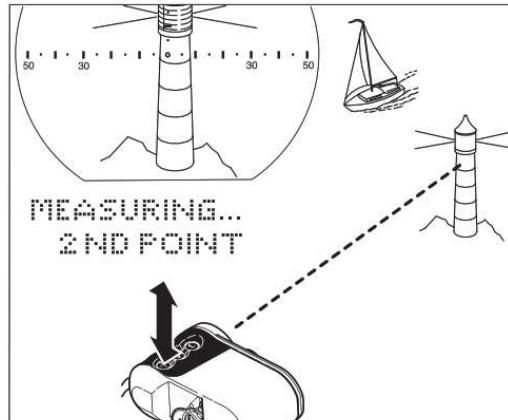
Medida: 2P AZI H DIST



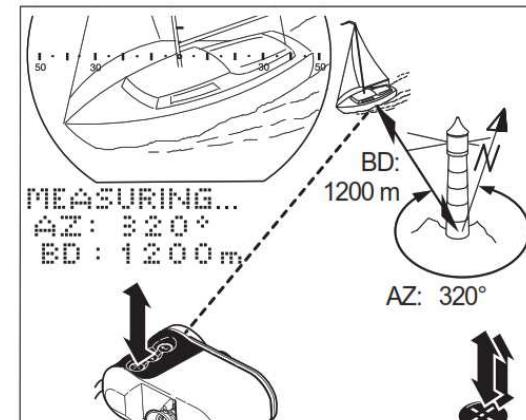
Acimut y distancia horizontal entre dos objetos



1. Click to enter the measurement menu.
2. Click to choose **2P AZI H DIST**.
3. Click to confirm the selected measurement mode.
1ST POINT is displayed.



Sight the first object with the aiming mark, press and release while holding the MOSKITO steady. The first object is measured, MOSKITO shows **2ND POINT**.



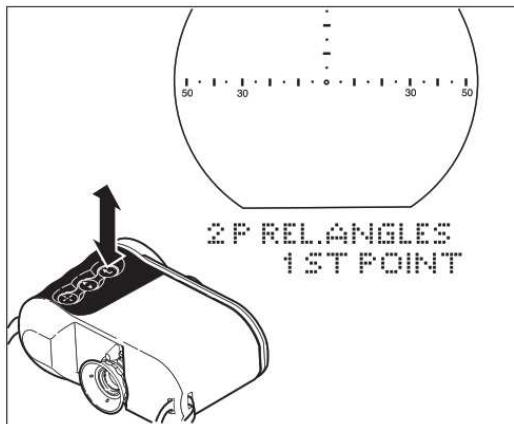
Sight the second object. Press and release while holding the MOSKITO steady. The azimuth (**AZ**) is displayed. Click to toggle to the bearing distance (**BD**).

double-click to recall the measurement function.

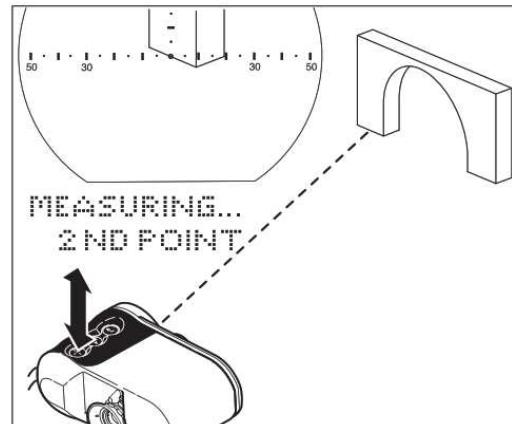
Medida: 2P REL. ANGLOS



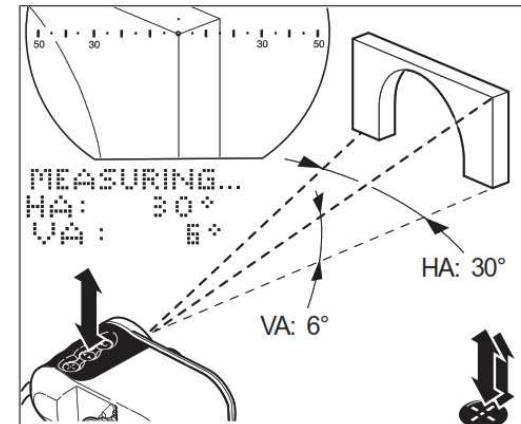
Ángulos relativos entre dos objetos



1. Click to enter the measurement menu.
2. Click to choose **2P REL. ANGLES**.
3. Click to confirm the selected measurement mode.
1ST POINT is displayed.



Sight the first object with the aiming mark, press and release while holding the MOSKITO steady. The first object is measured, MOSKITO shows **2ND POINT**.



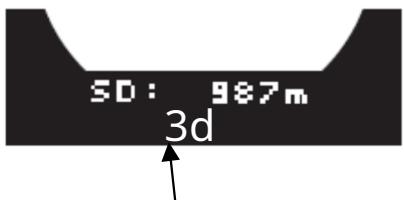
Sight the second object. Press and release while MOSKITO steady. The horizontal angle (**HA**) is displayed. Click to toggle to the vertical angle (**VA**).

double-click to recall the measurement function.

Medida: 3 Distancia



1. Medir a la casa a través del árbol (Presione)



3d intermitente en la fila de estado

2. con alternar entre las distancias medidas.

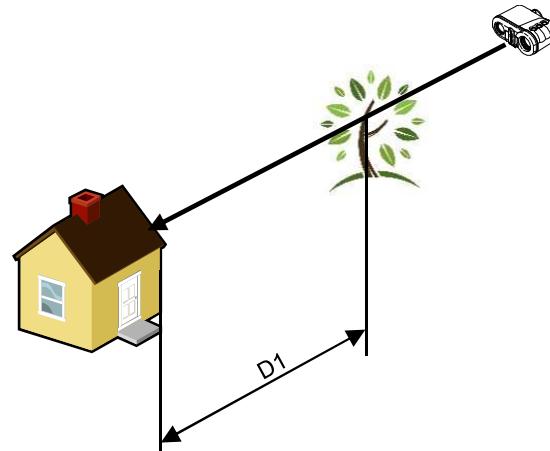
La señal más fuerte se muestra primero.

Máximo de objetivos mostrados tres

3. Deténgase en la distancia que será la correcta
Presione para enviar las medidas del objetivo
(distancia, Acimut e Inclinación a la interfaz



La flecha parpadea: la distancia, el acimut y la inclinación
se transferirán a un dispositivo externo



Los objetivos múltiples solo aparecen cuando la distancia,
D1, entre dos objetivos es superior a 50 m.

Los datos solo se transmitirán si se ha elegido una
distancia, asumiendo que hay varios objetivos.

MOSKITO



Las manos en

Meta:

- Medición de 1 punto**
- Medición de 2 puntos**
- 3 Distancia**

MOSKITO



Medición de la brújula



Medición: conceptos básicos de la brújula

Brújula DMC5000-SX (Digital METROagnético COMPÁS)



Datos técnicos

Precisión de acimut: (1σ)	±10 mil / ±0.6°	±5
Con calibración PPS (1σ)	mil / ±0.3°	±3 mil /
Precisión de inclinación (1σ)	±0.2°	
Ángulo máximo de inclinación	45°	cualquier dirección
Declinación, ajustable	±3200 mil	/ ±180°

La brújula incorporada encuentra el norte magnético

Para lograr un buen rumbo en la parrilla, tenga siempre en cuenta:

1. Establecer declinación
2. Evita factores perturbadores
3. Compensar brújula

Medida: Declinación

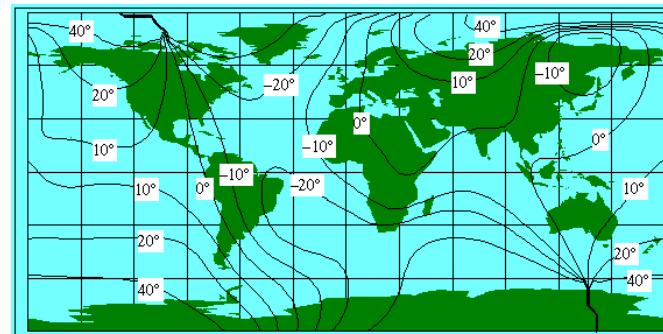
Representa la desviación entre norte magnético y norte de cuadrícula

varía de un lugar a otro

varía con el tiempo

se especifica en la mayoría de los mapas

Para obtener el acimut referido a la cuadrícula norte, se debe ingresar el valor de la declinación local



Valor de declinación positiva

-significa declinación puesta al este

Valor de declinación negativa

-representa la declinación establecida hacia el oeste

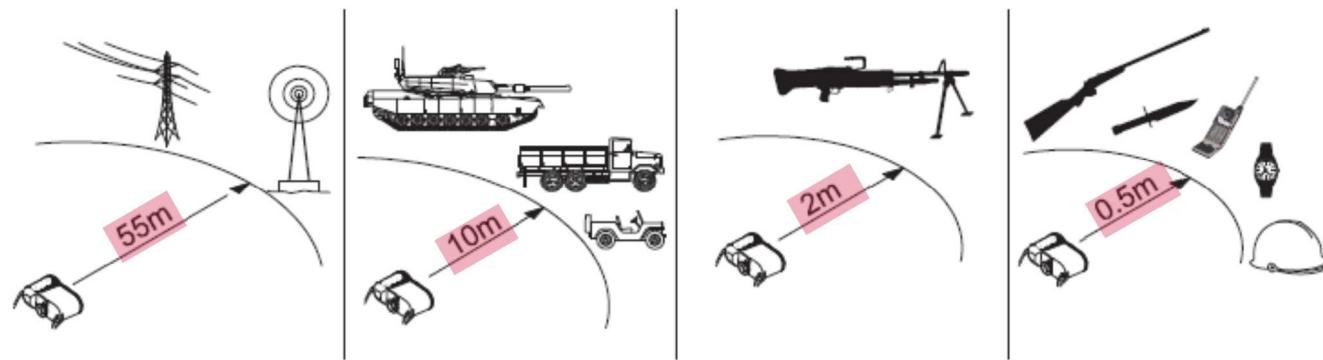
La declinación se muestra en la unidad angular actualmente seleccionada

Si angular se cambia, la declinación se muestra en la nueva unidad

MOSKITO GPS = configuración de declinación automática

Medición: factores que influyen en la brújula

Factores que influyen en la precisión del acimut



Respete estas distancias mínimas de seguridad

55m	Campos magnéticos, torre eléctrica, ...
10m	Depósitos, camiones, coches, ...
2m	Fusil de asalto, ametralladora, ...
0,5 m	Cuchillos, celular, reloj, ...



Utilice únicamente pilas no magnéticas

Medición: cuando la compensación de la brújula

¿Cuándo hay que hacerlo?



- Después de un cambio de batería
- Después de que el dispositivo haya sido expuesto a fuertes campos magnéticos
- Cuando se han fijado piezas metálicas al dispositivo (por ejemplo, láser, trípode)



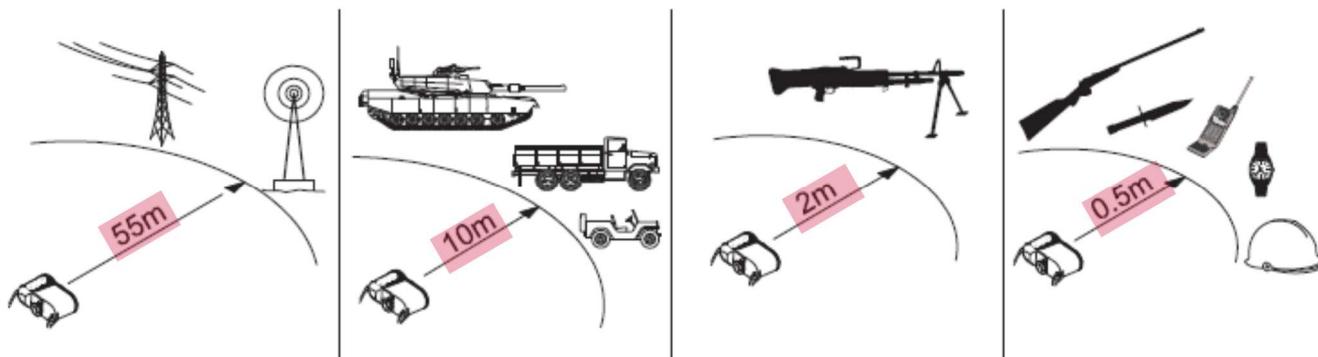
- Después de un movimiento de más de 20 km o diferente tipo de terreno
- Después de un cambio de temperatura de más de 20°C



Medición: Donde la compensación de la brújula

¿Dónde se tiene que hacer?

¡Las mismas distancias mínimas de compensación que de uso!



Nunca compense la brújula dentro de un edificio o en las inmediaciones o campos magnéticos perturbadores

Medición: Métodos de compensación

Métodos para compensar

4POINT (portátil)

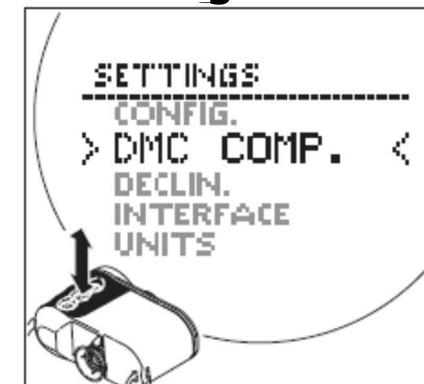
Consiga la precisión adecuada para muchas aplicaciones si el tiempo no permite realizar una compensación de 12 puntos

12POINT (portátil)

Recomendado; proporciona una buena precisión

PPS (12 puntos en un trípode) Logra la mejor precisión requiere un trípode específico (por ejemplo, SST3-2)

Cómo llegar allá



With the **SETTINGS** menu highlighted use to scroll to choose **DMC COMP.** and click .

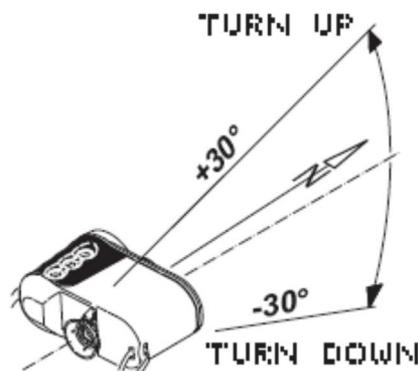
Medición: procedimiento de compensación de la brújula

Procedimiento

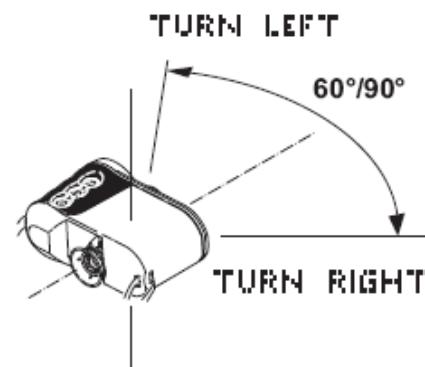
- Señale aproximadamente hacia el norte antes de comenzar
- El dispositivo debe girarse en varias direcciones durante la compensación (270°)
- Las instrucciones aparecen en la pantalla sucesivamente



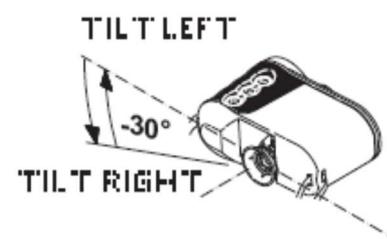
Perform each movement **slowly and steadily**, until the next instruction appears.
When you see the **HOLD POSITION** instruction, **immediately hold the MOSKITO still** and on no account move it as long as **MEASURING...** is displayed.



TURN UP / TURN DOWN:
bank MOSKITO upwards / downwards.



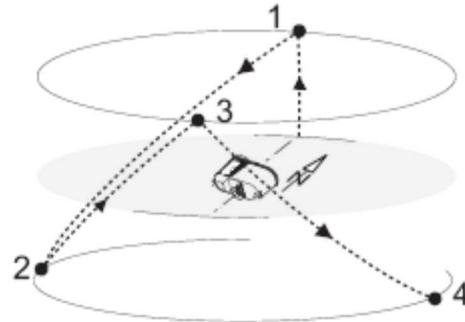
TURN LEFT / TURN RIGHT:
rotate MOSKITO to the left / right side.



BANK LEFT / BANK RIGHT:
bank the left / right side of the MOSKITO downwards.

Medición: variantes de la compensación de la brújula

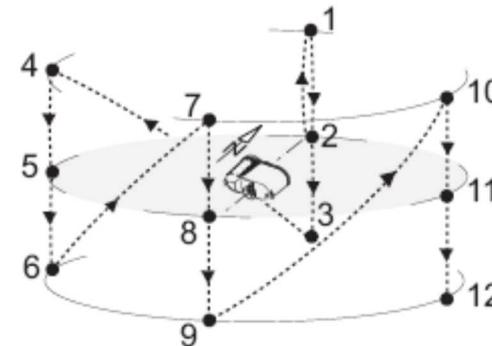
compensación de 4 puntos



In the **DMC COMP.** menu select **4POINT** and click .

Follow the displayed instruction until the first measuring position is reached. The selected procedure starts automatically in a few moments. Move MOSKITO according to the displayed instructions.

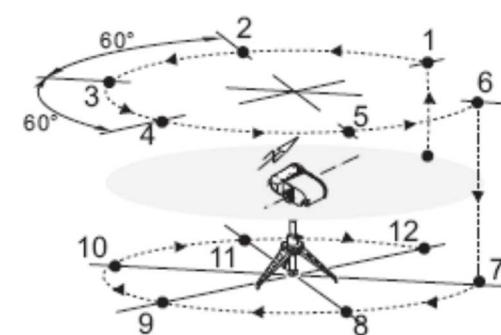
compensación de 12 puntos



In the **DMC COMP.** menu select **12POINT** and click .

Follow the displayed instruction until the first measuring position is reached. The selected procedure starts automatically in a few moments. Move MOSKITO according to the displayed instructions.

Compensación PPS



Place MOSKITO on the mini-tripod SST3-2 or an equivalent one.

In the **DMC COMP.** menu select **PPS** and click .

Level up until **OK** appears, then click again. Move MOSKITO according to the displayed instructions. After every 60° rotation click again. As a help for "TURN 60°": rotate from the first tripod foot to the middle position between this and the next foot, then to the next foot and so on.

Medición: asistente de compensación de brújula

Asistente de compensación

MOSKITO proporciona una función gráfica para la compensación



- a) Stands for MOSKITO's target position
- b) Shows MOSKITO's current bank
- c) Stands for MOSKITO's target bank
- d) Shows MOSKITO's current position



Medición: resultados de compensación de la brújula

Resultados

Display	Acc (mil)	Process
GOOD COMP.	1-20	The newly determined constants are stored.
BAD COMP.	21-90	Even if not good, the newly determined constants are stored.
BAD CMP RST	> 90	The constants are reset to factory values.

- The device was moved while a **MEASURING...** instruction was displayed.
 - Movements performed too fast, or jerkily.
 - Strong magnetic disturbances in the vicinity.
- If you get a **BAD COMP.**, reattempt compensation until **GOOD COMP.** appears. Consider moving to an alternative position.

Medición: Acimut "Comprobación de bondad"

No se hace referencia al procedimiento para verificar la influencia magnética en el entorno local, sin embargo, es el siguiente:

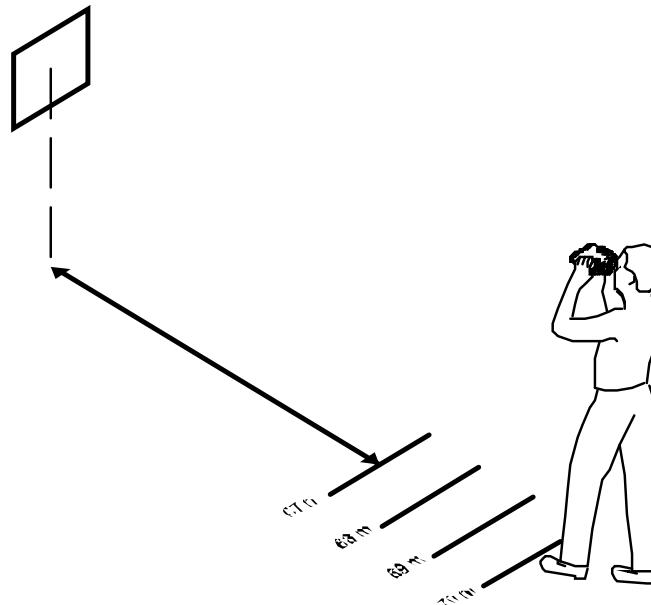
Seleccione un objeto > 1000 metros en el área objetivo y realice el acimut medición mientras está de pie

Arrodíllese y realice la misma medición de azimut

Avance un metro hacia un lado y realice la misma medición de azimut

Avance un metro y realice la misma medición de azimut

Si las lecturas de acimut se encuentran dentro de +/- 1° +/- 20 mil el entorno operativo puede considerarse bueno. Si es más, se cambiará el lugar y se repetirá el procedimiento.



MOSKITO



Las manos en

Meta:

- Establecer la declinación
- Realizar Compensación de 4 puntos

MOSKITO

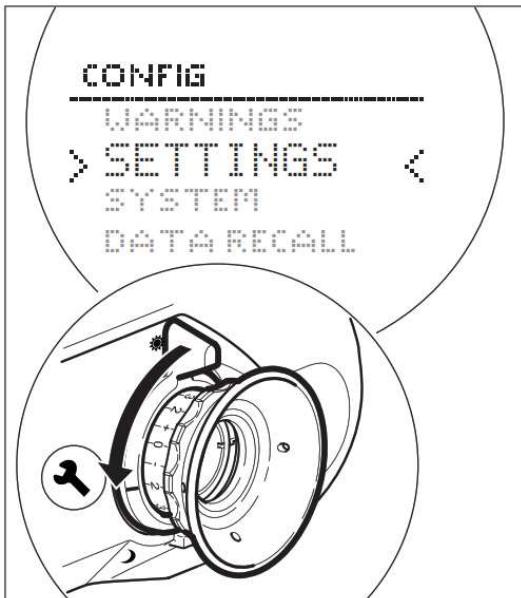


Menú de configuraciones





Configuración: General



To access the configuration menu set mode lever to configuration mode (☞).

If mode lever is set to configuration mode but the display is switched off, simply click ☞, ⌂ or +.

The **CONFIG** menu will appear automatically with the following options:

- Warnings
- Settings
- System
- Data recall (optional)

Navegación:

Usar ☞ para navegar por el menú y la configuración

Usar ⌂ para bajar un nivel en el menú

Presa ⌂ por aprox. 2 segundos para confirmar y guardar cualquier configuración modificada.

Esto se muestra con un "círculo relleno" la (●) delante de opción elegida.

Presa ☞ por aprox. 2 segundos para subir un nivel en el menú

i Al cambiar al modo de configuración, MOSKITO muestra primero las advertencias pendientes, si las hay.
-Presiona ⌂ para volver

i En el modo CONFIG solo ☞ y ⌂ botones tiene una función

MOSKITO



Advertencias



"That woke me up, too!"

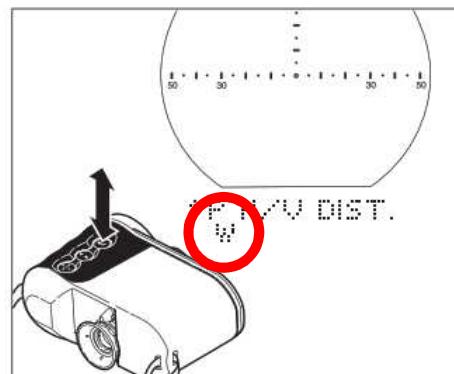
Configuración:

ADVERTENCIAS



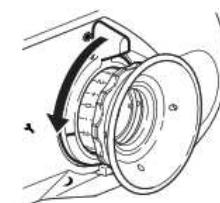
With the **WARNINGS** menu highlighted click , any current warnings will appear.
Click for more information or press for 2 seconds to get back into the CONFIG menu.

Warnings and their meaning



When a "warning incidence" happens, MOSKITO displays a **W** in the status row.

**Si W aparece en el modo Día y Noche,
gire el ocular a Ajustes**



WARNINGS

DMC CMF. F
> BANK.. INVALID<

To get more information about the warning change to configuration mode. MOSKITO displays the warning title.



Click to view the warning details.

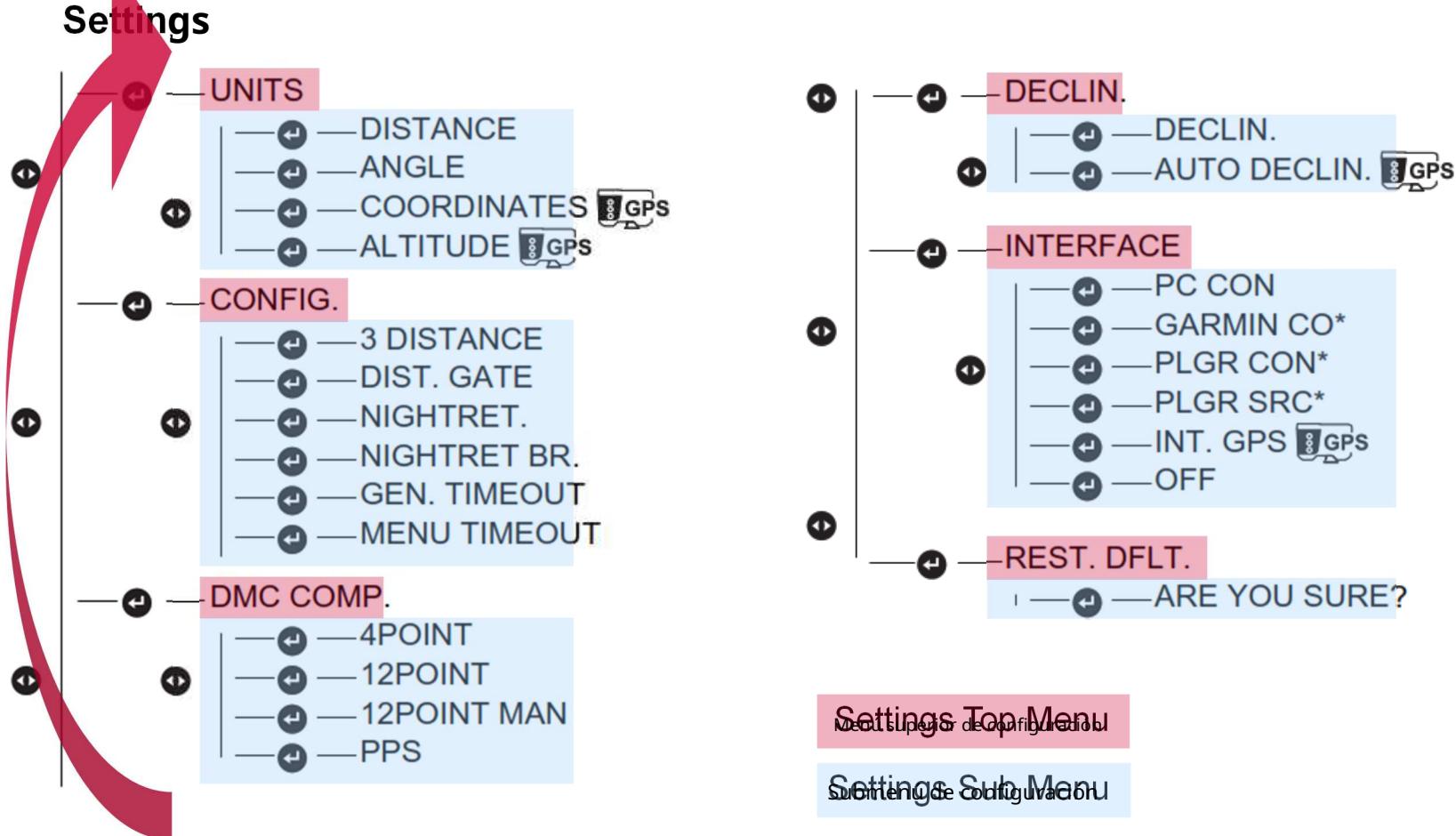
MOSKITO



Ajustes



Configurar..... Menú de configuración

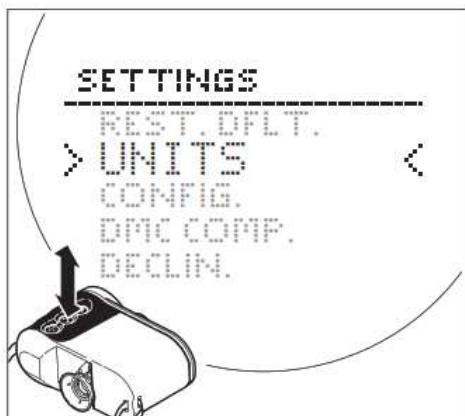


Configuración:

UNIDADES



Distancia / Ángulo / Coordenadas / Altitud



- Use to scroll to the required submenu and enter with .

Distance unit

DISTANCE
○ FEET
➤ ● METRE
○ YARD

Angular unit

ANGLE
○ 360°
➤ ● 6400 MIL
○ 6000 MIL

Altitude unit

ALTITUDE
○ FEET
➤ ● METRE

Coordinate unit

COORDINATES
○ GEO II
➤ ● GEO
○ UTM

GEO: LT: +12.12345°
LG: +123.12345°
MSL: +1234m

GEO II: LT: +12°12.123'
LG: +123°12.123'
MSL: +1234m

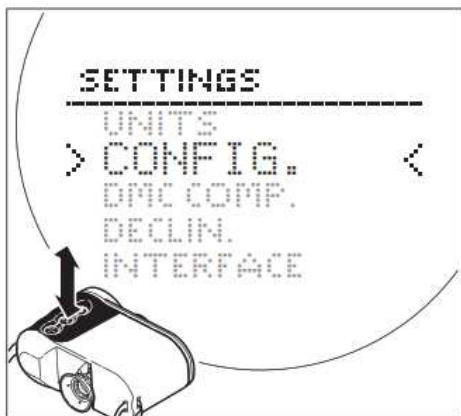
UTM: ZN: 12A
EA: 123456m
NO: 1234567m
MSL: +1234m

MGRS: ZN: 12A AB
EA: 12345m
NO: 12345m
MSL: +1234m

Configuración:

CONFIG.

3 Distancia / Dist.Gate / Nightret. / Nightret Br. / Gen.Timeout / Menu Timeout

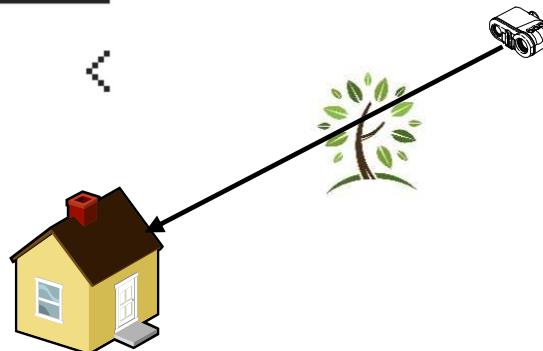


CONFIG.

MENU TIMEOUT
> 3 DISTANCE <
DIST. GATE
NIGHTRET.
NIGHTRET BR.

3 DISTANCE

ON
> OFF



Following options are available:

OFF, ON

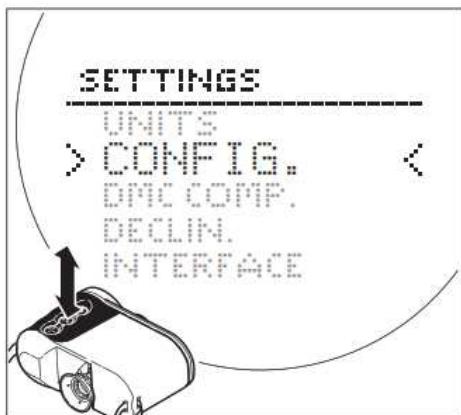
Use to scroll to the required option.

Press for approx. 2 seconds to confirm and save the settings.

Configuración:

CONFIG.

3 Distancia / Dist.Gate / Nightret. / Nightret Br. / Gen.Timeout / Menu Timeout



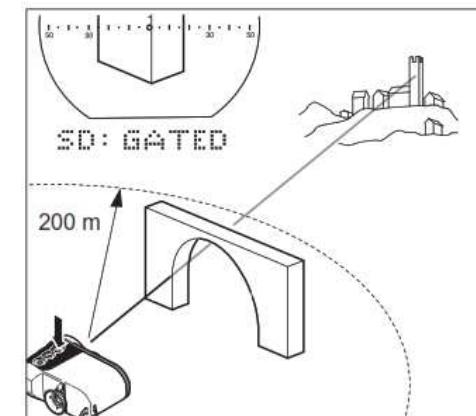
CONFIG.

MENU TIMEOUT
> 3 DISTANCE <
DIST. GATE
NIGHTRET.
NIGHTRET BR.

DIST. GATE

- NONE
- 5 M
- 50 M
- 100 M
- 200 M

Following options are available:
**NONE, 5 M, 50 M, 100 M, 200 M,
500 M, 1000 M, 1500 M, ...
5000 M, 7500 M, 9000 M**

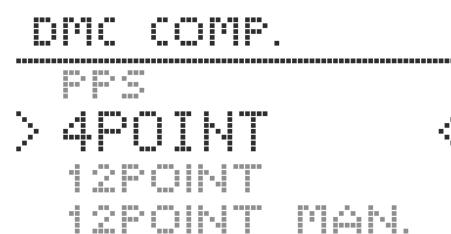
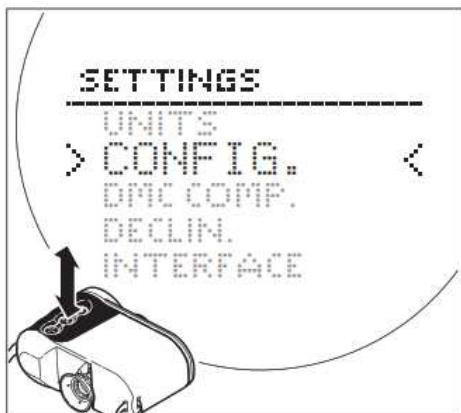


Example: You want to be sure that distances closer than 200 metres are not measured. Therefore set the distance gate to 200 M. Now, **SD:GATED** is displayed when closer ranges are measured. Refer to page 44 for information about entering the DIST. GATE menu.

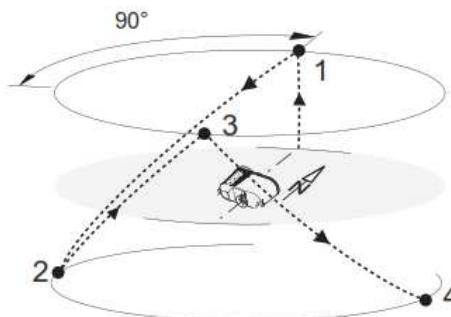
Configuración:

DMC COMP.

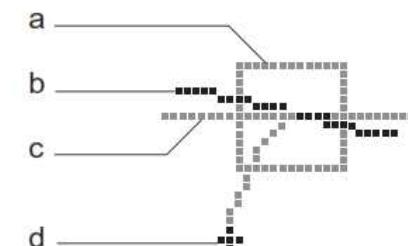
4 Puntos / 12 Puntos / 12 Puntos Hombre / PPS



4 point compensation



Compensation wizard



MOSKITO provides a graphical help to find the correct position for each compensation measurement.

- a) MOSKITO's required position
- b) Current bank angle
- c) Required bank angle
- d) MOSKITO's current position

Configuración:

RECHAZAR.

Rechazar / Declinación automática.



- **DECLIN.**
(= enter value manually)
- **AUTO DECLIN.**
(= calculate value automatically)
When manually entering the declination make sure the appropriate coordinate system is selected according to the entered declination when using for target determination.

Manual declination

- **To refer the azimuth angle to grid north:**
enter the local declination value into the device.
- **To refer the azimuth angle to magnetic north:**
enter the value "0" (+000.0° or +0000 MIL) into the device.

Automatic declination

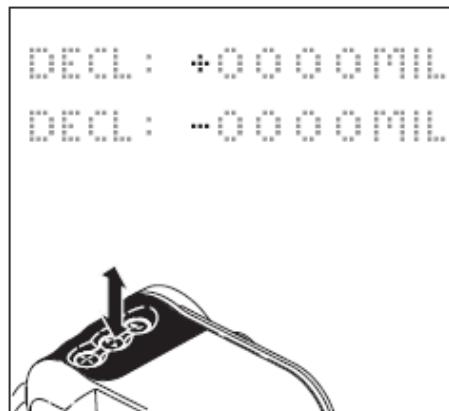
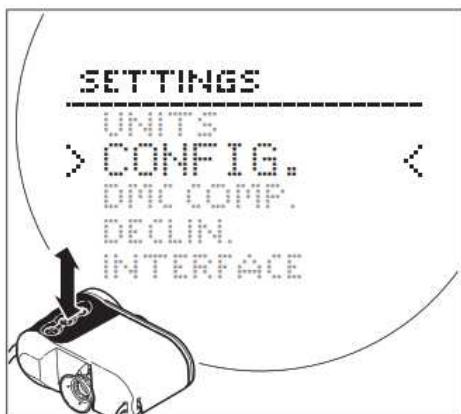
Positioning with internal GPS must be possible. Clear view of the sky is required.

The declination is calculated according to the selected coordinate system. After changing coordinate system a new calculation has to be done.

Configuración:

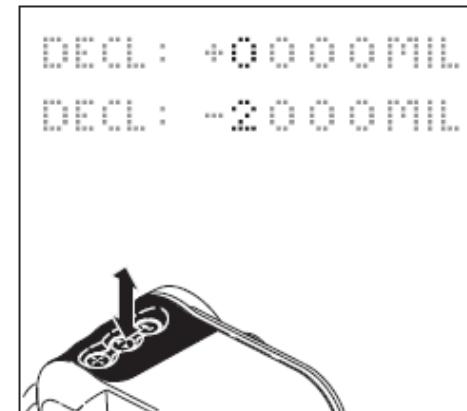
RECHAZAR.

Rechazar / Declinación automática.



Manual declination

1. Change the algebraic sign with and confirm with . The cursor automatically moves to the first number.

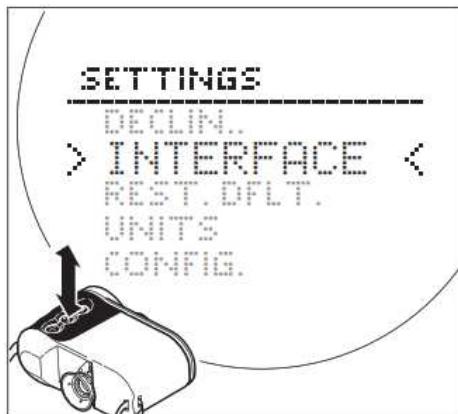


2. Use to increase the numbers. Click to confirm and move to the next number. Proceed until the new declination is set.
3. Press for approx. 2 seconds to confirm and save the setting.

Configuración:

INTERFAZ

PC Con / Garmin CO / PLGR CON / PLGR SRC / Int.GPS / APAGADO



PC CON

Setting for communication with PC.
Data transfer via PC cable or
Bluetooth. For interface
parameters (RS232) and data
transfer format see page 80.

GARMIN CO

Setting for communication with
Garmin GPS 12/ 60/ 72/ 76. Data
transfer via Garmin cable.

PLGR CON

Setting for communication with
PLGR/DAGR Data transfer via
PLGR/DAGR cable.

PLGR SRC

Setting for communication with
PLGR/DAGR used as GPS source
for own position. Data transfer via
PLGR/DAGR cable.

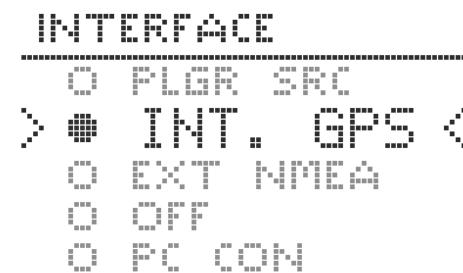
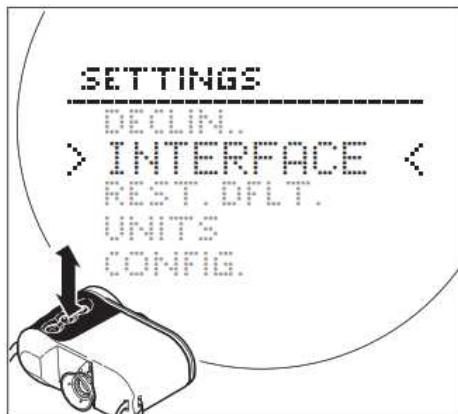
INT. GPS

(activates internal GPS -
STANDBY or FAST FIX)

OFF

(Interface connection disabled)

Configuración: INTERFAZ En t. GPS



Following options are available:

- **STANDBY**
("Standby" mode of the internal GPS)
- **FAST FIX**
("Active" mode of the internal GPS)

Standby mode

STANDBY mode of the internal GPS means that GPS is only active when a GPS measurement function (**TARGETING**, **POSITIONING**) is chosen.

Once TARGETING and POSITIONING completed, MOSKITO goes into **STANDBY** after **MENU TIMEOUT**.

Fast fix mode

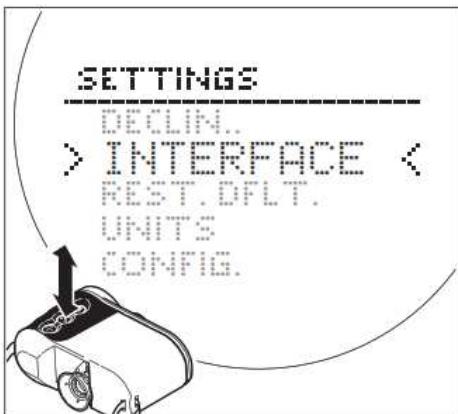
FAST FIX mode of the internal GPS means that GPS is always active in the background until **GENERAL TIMEOUT** expires.

Once TARGETING and POSITIONING completed, MOSKITO remains in the **FAST FIX MODE** until **GENERAL TIMEOUT**.



Configuración: INTERFAZ

Bluetooth <--> RS-232

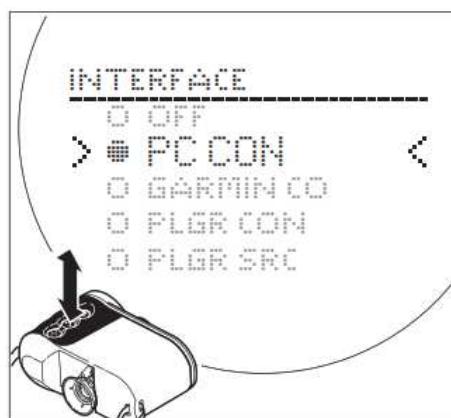


The activation of Bluetooth for INT. GPS works the same way as for PC CON.

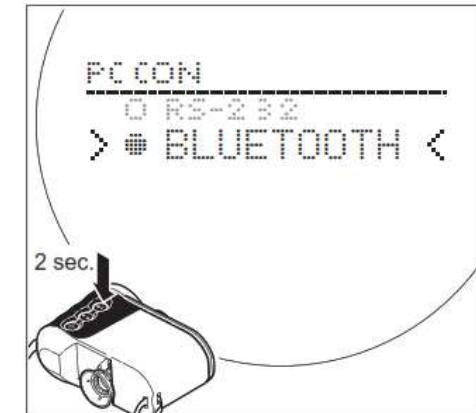
Bluetooth

Bluetooth can be used with **PC CON** and **INT. GPS**.

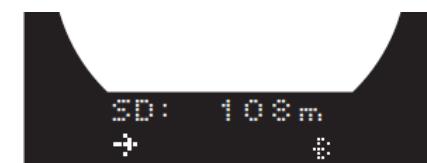
If the Bluetooth option is installed, a new menu will appear under **INT. GPS** and **PC CON** to select the data interface.



With the **INTERFACE** menu highlighted click . Use to scroll to **PC CON** or **INT. GPS** and click again, following submenu appears:



1. Click to choose **BLUETOOTH**.
2. Press for approx. 2 seconds to confirm and save the settings.



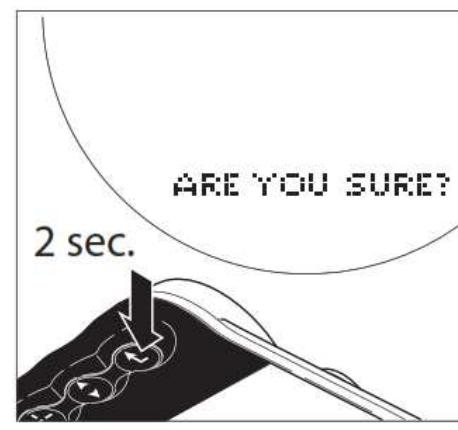
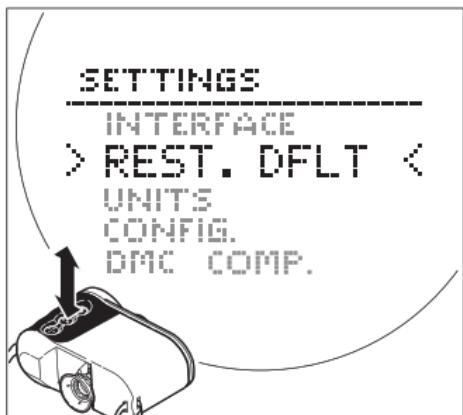
Todos los resultados de la medición se transmitirán al emparejado socio Bluetooth.

Configuración:

REINICIAR. DFLT.



Restaurar la configuración predeterminada



Press for 2 seconds to reset to default settings.

MOSKITO's default settings are:

- DISTANCE: metre
- ANGLE: 6400 mil
- COORDINATES*: GEO
- ALTITUDE*: metre
- DIST. GATE: 50 metre
- NIGHTRET.: RETICLE •
- NIGHTRET BR.: 0
- GEN. TIMEOUT: 5 MIN
- MENU TIMEOUT: 15 SEC
- DECLINATION: 0
- INTERFACE: PC CON
- 3 DISTANCE: OFF

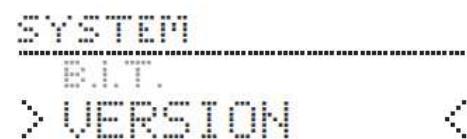
MOSKITO



Sistema

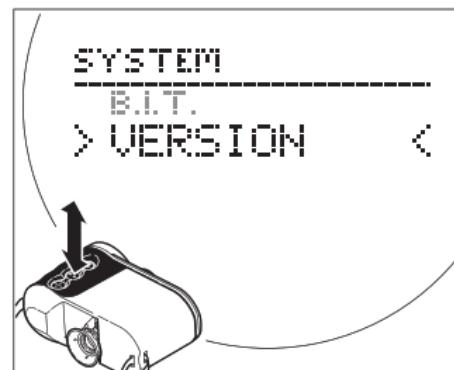


Configuración: SISTEMA BIT / Versión



- **B.I.T.**
(= Built-In-Test)
- **VERSION**
(displays the current software
and hardware version)

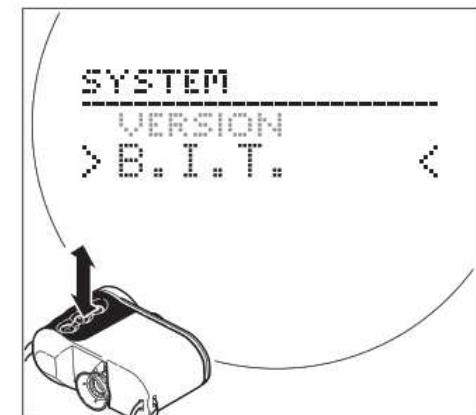
Software Version



With the **VERSION** menu highlighted click , the current software and hardware version are displayed.

Click to view the available software options.

Built-In-Test



With the **B.I.T.** menu highlighted click to start the test.
When the test is successful, the following message appears:

B.I.T.	
BATTERY:	OK
SYSTEM:	PASS
MEMORY:	PASS
NU USE:	SH

MOSKITO



Recuperación de datos



Configuración:

SISTEMA BIT / Versión



DATA RECALL
CLR. ALL MEAS
LAST MEASR
STORED MEAS

Last measurement	Stored measurements	Clear all measurements
DATA RECALL CLR. ALL MEAS LAST MEASR STORED MEAS	DATA RECALL LAST MEASRM STORED MEA CLR. ALL MEAS	DATA RECALL STORED MEAS CLR. ALL M LAST MEASRM

- According to the current settings MOSKITO displays the last measurement.
- MOSKITO displays STORAGE 1 to STORAGE 10 and the according results.

With the **CLR. ALL M** menu highlighted click to delete all stored measurement results.

- Following options are available:
- CLR. ALL MEAS**
(= clear all measurements)
 - LAST MEASR**
(displays the last measurement results)
 - STORED MEAS**
(displays all stored measurement results)

MOSKITO



GPS interno



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 **SAFRAN**

EN T. GPS: Fundamentos del GPS

GNSS = Sistema Global de Navegación por Satélite

-Incluye todos los sistemas



MOSKITO provides an integrated GPS functionality.

GPS is the shortform of NAVSTAR GPS, which stands for **N**AVigation **S**ystem with **T**ime And **R**anging **G**lobal **P**ositioning **S**ystem.

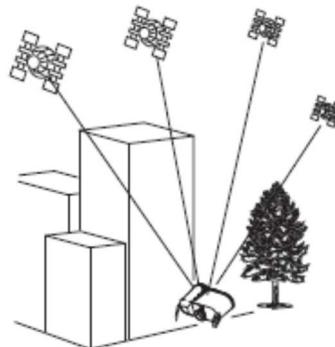
GPS is a satellite-based system using a constellation of 24 (or more) satellites to give the user an absolute position. It was originally designed in the 1980s for military use on behalf of the US government. Nowadays other Global Navigation Satellite Systems are already operating (GLONASS) or projected (GALILEO). The GPS receiver incorporated within the MOSKITO only works with the GPS satellites.

All GPS positions are based on measuring the distance from the satellites to the GPS receiver on the earth. This distance to each satellite can be determined by the GPS receiver. To calculate an absolute position a minimum of four satellites must be visible.

Like all other civilian receivers MOSKITO uses the C/A code to calculate the time taken for the signal to reach the receiver. Only the US military (and some allies) can use the more accurate P/Y code. The civilian C/A signal may be switched off without notice by U.S. policy and may also be interfered by appropriate systems.

EN T. GPS: precisión GPS

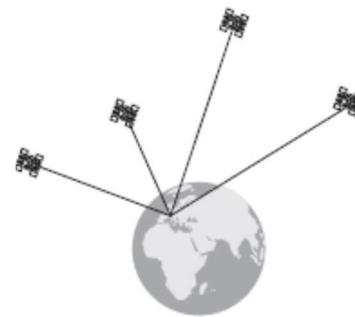
Factores que influyen en la precisión de la posición del GPS



There are several sources of error that degrade the GPS position:

- Large objects blocking the GPS signal
- Multipath (= indirect signals from a large reflecting surface, for example a lake nearby)
- Dilution of Precision (DOP)
 - VDOP (DOP Vertical) 1D
 - HDOP (DOP horizontal) 2D
 - PDOP (DOP posicional) 3D

→ PDOP más importante



PDOP low (1.5)



PDOP high (5.7)

Dilution of Precision:

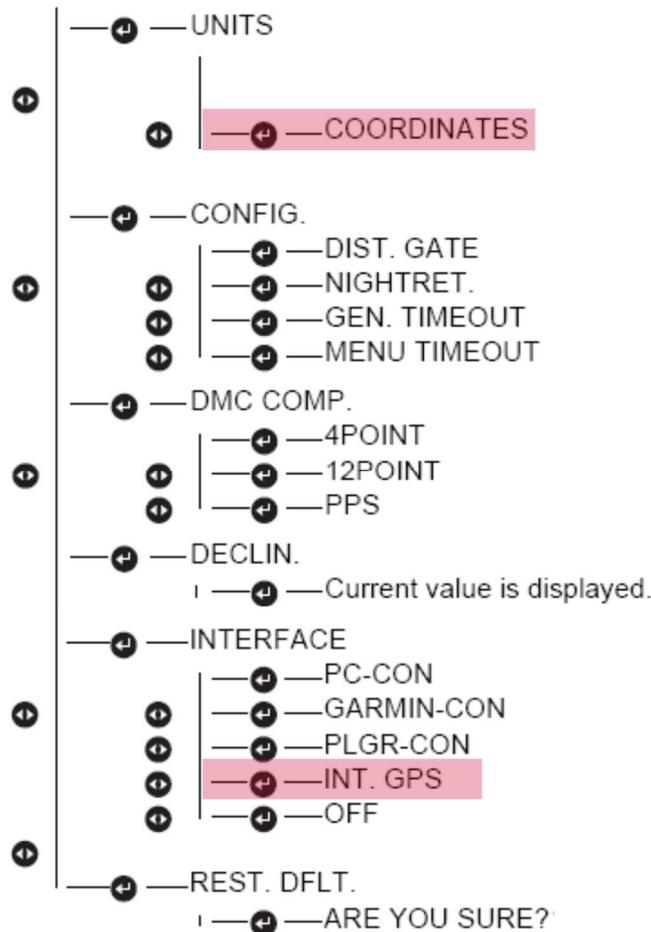
The Dilution of Precision (**DOP**) correlates to the spacing and position of the satellites in the sky and is a measure of the strength of satellite geometry. As an "accuracy display" MOSKITO indicates the **PDOP** (Position Dilution of Precision) value, which reflects the expected 3D accuracy.

The most accurate positions will generally be computed when the PDOP is low. MOSKITO only displays and calculates coordinates when the PDOP value is five or less.

Precisión de posición
aprox. +/-3m



EN T. GPS: Menú de configuración



Cambie la palanca de modo a la configuración
Dos nuevos menús con GPS interno

EN T. GPS para habilitar el receptor GPS

COORDENADAS para establecer el sistema de coordenadas

Con activación de INT. GPS aparece un nuevo menú en modo y

Haga clic en para ir al siguiente menú:

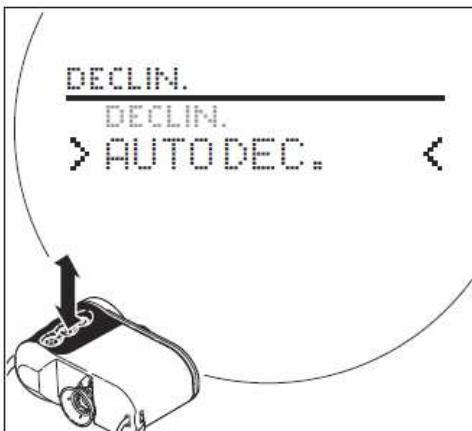
MEASUREMENTS**

GPS MENU

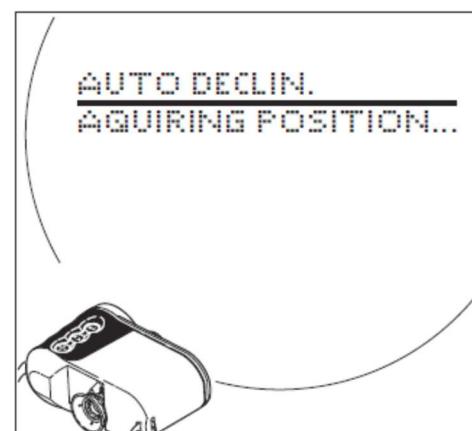
—> **POSITIONING**

—> **STATUS**

EN T. GPS: Declinación automática



Use to scroll to the required submenu, for example **AUTO DECLIN.** and enter with . The declination at a given position can be calculated according to the selected coordinate system using internal GPS and World Magnetic Model (WMM 2005). Before calculating the declination MOSKITO needs to determine its own position.



- Positioning with internal GPS must be possible. Clear view to the sky is needed.
- The declination is calculated according to the selected coordinate system. After changing coordinate system a new calculation has to be done.

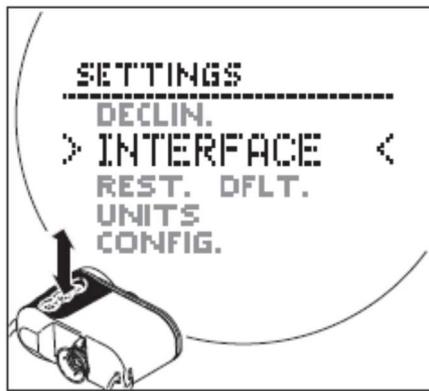


To accept the calculated declination, click . **DECLINATION STORED!** will appear on the display and MOSKITO turns back to the declination menu.

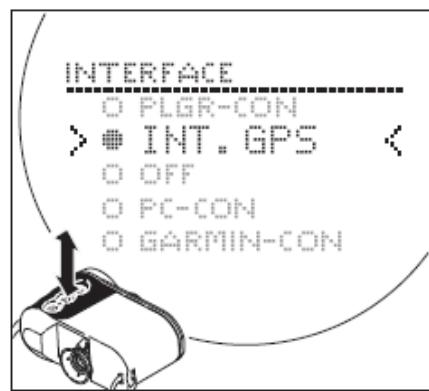


EN T. GPS: Encienda INT. GPS

Menú de configuración de GPS



With the **INTERFACE** menu highlighted click



Use to scroll to **INT. GPS** and click again, following submenu appears:



Select **STANDBY** mode or **FAST FIX** mode and then connection via cable (**RS-232**) or **BLUETOOTH** to enable the GPS functionality.

Coordinates are displayed as result for all GPS measurements.

Use para desplazarse por las coordenadas



EN T. GPS: Modo

Modo de espera de GPS y corrección rápida

STANDBY mode of the internal GPS means, that GPS is only active when a GPS measurement function (**TARGETING**, **POSITIONING**) is chosen.

With TARGETING and POSITIONING finished after **MENU TIMEOUT** MOSKITO goes to **STANDBY** again.

FAST FIX mode of the internal GPS means, that GPS is always active in the background as long as **GENERAL TIMEOUT** defines.

With TARGETING and POSITIONING finished after **MENU TIMEOUT** MOSKITO remains in the **FAST FIX** mode until **GENERAL TIMEOUT** is up.

When the own position is fixed with a good PDOP the GPS symbol changes to **FAST FIX** .

To leave FAST FIX mode press and hold for approx. two seconds.



STANDBY usa menos energía

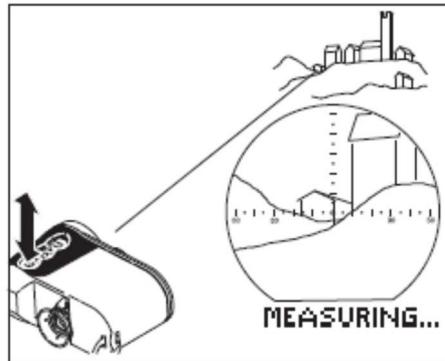
Modo activo FAST FIX, adquiere satélites inmediatamente, todo el tiempo

La adquisición de satélites tarda entre 1 y 2 minutos.

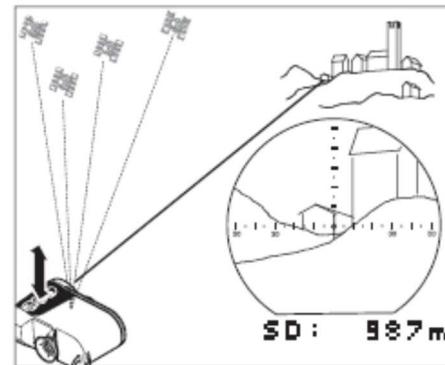


EN T. GPS: mediciones de GPS

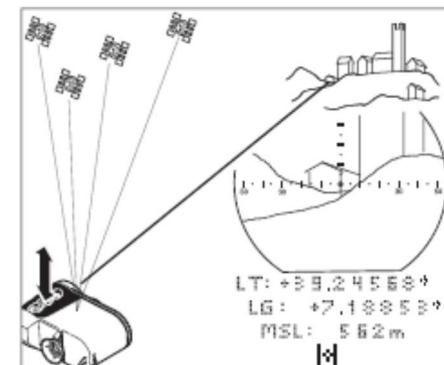
Orientación



Sight the object with the aiming mark, press and release for **TARGETING**. A GPS measurement to the target will be started, any current GPS function will be cancelled.



While MOSKITO is looking for satellites it displays the slope distance to the target.
Click to toggle the results.
If MOSKITO did not receive sufficient GPS data so far, it displays -----. It still looks for the own position data and then also calculates the target data.



After a successful GPS measurement MOSKITO displays the target position (coordinates) - until the MENU TIMEOUT is reached.

Presionar y soltar siempre da Rango, Acimut, Inclinación y Coordenadas



EN T. GPS: mediciones de GPS

Con activación de INT. GPS aparece un nuevo menú en modo y

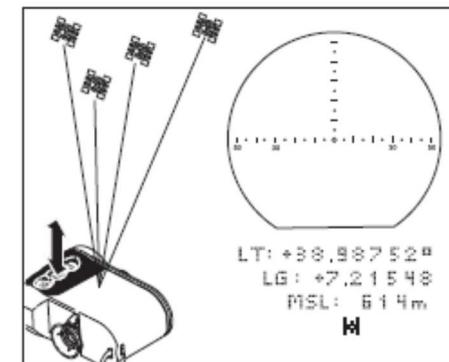
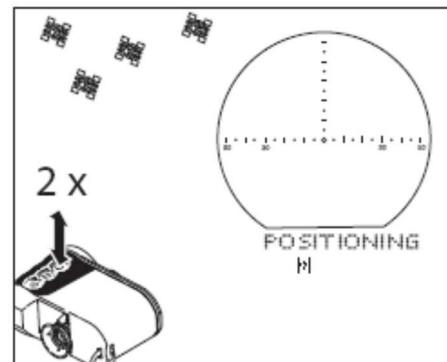
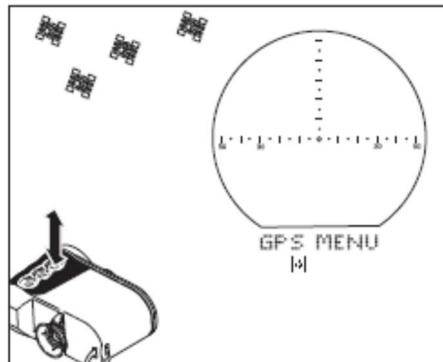
Haga clic en para ir al siguiente menú:

MEASUREMENTS**
GPS MENU
① | —— POSITIONING
② | —— STATUS



EN T. GPS: mediciones de GPS

Posicionamiento (posición propia)



1. Click to enter the **GPS MENU**.

2. Click again, **POSITIONING** is displayed.
3. Click again to activate GPS and start the positioning.

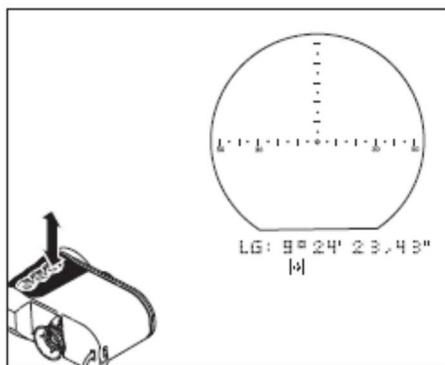
After a successful GPS measurement MOSKITO displays its own position (coordinates) - until the MENU TIMEOUT is reached.

- MOSKITO will look for satellites until the GENERAL TIMEOUT has expired.



EN T. GPS: mediciones de GPS

Estado



1. With any GPS function (**POSITIONING, TARGETING**) activated and a reading on the display, click to enter the **STATUS** menu.
2. Use to scroll between the different status indications.

STATUS	
PDOP:	GOOD
SV:	7
GRID:	GEO II
DECL:	17 mil

Following information is displayed within the GPS **STATUS** indication:

- PDOP: GOOD, POOR
- SV: 7*
- GRID: GEO, GEO II, UTM, MGRS
- DECL: 17mil*

* sample data

Explanation of terms:

- **PDOP:** Reflects the expected 3D positioning accuracy
- **SV:** Number of visible satellites
- **GRID:** Selected coordinate system
- **DECL:** Selected declination



MOSKITO solo muestra las coordenadas cuando el **PDOP** el valor es **BIEN**



EN T. GPS: Primeros pasos

Menú de configuración de GPS

Coordinate unit

COORDINATES

GEO II

> GEO

UTM

- Use  to set the **coordinate unit** to UTM, GEO, GEO II, or MGRS.

Press  for approx. 2 seconds to confirm and save any changed setting.

Coordinates are displayed in MOSKITO as follows:

GEO:	LT:	+12.12345°
	LG:	+123.12345°
	MSL:	+1234m
GEO II:	LT:	+12°12.123'
	LG:	+123°12.123'
	MSL:	+1234m
UTM:	ZN:	12A
	EA:	123456m
	NO:	1234567m
	MSL:	+1234m
MGRS:	ZN:	12A AB
	EA:	12345m
	NO:	12345m
	MSL:	+1234m

Explanation of abbreviations

- **GEO:** Geographical coordinates
- **UTM:** Universal Transverse Mercator
- **MGRS:** Military Grid Reference System
- **LT:** Latitude
- **LG:** Longitude
- **MSL:** Mean Sea Level
- **ZN:** Zone
- **EA:** Easting
- **NO:** Northing

BNG opcional disponible

MOSKITO



Las manos en

Meta:

- Activar/desactivar GPS
- Realizar mediciones con coordenadas de destino
- Cambiar cuadrícula

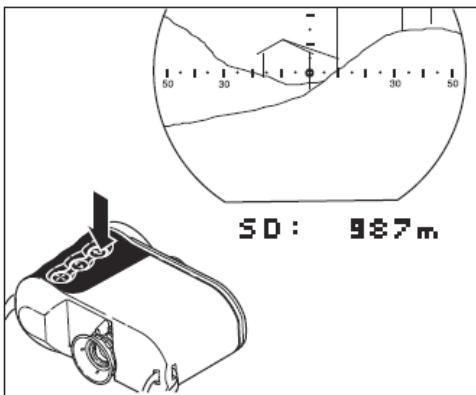
MOSKITO



Recuperación de datos
(Opción)



Recuperación de datos: almacenamiento de mediciones



MOSKITO offers the possibility to store any successfully finished measurement, e.g. slope distance with azimuth and elevation, or when GPS TARGETING is activated the target coordinates.

- i** The last measurement is always stored (automatically).

With a measurement result displayed, press for approx. 2 seconds.
MOSKITO will ask you:

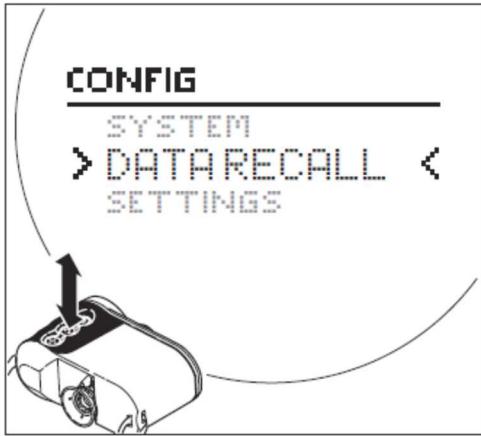
STORE AT 1 ?

MOSKITO always "proposes" the next "free storage location".
Click to toggle the storage position 1 to 10.
Click to store the measurement results at the chosen storage position.

Puede ser útil para
nota algunos
adicional
información en el
campo



Recuperación de datos:



With the **DATA RECALL** menu highlighted click , following submenu appears:



Following options are available:

- **CLR. ALL MEAS**
(= clear all measurements)
- **LAST MEASR**
(displays the last measurement results)
- **STORED MEAS**
(displays all stored measurement results)

Recuperación de datos: gestión de datos almacenados

Last measurement

DATA RECALL

CLR. ALL MEAS

> LAST MEASR

STORED MEAS

Stored measurements

DATA RECALL

LAST MEASRM

> STORED MEA

CLR. ALL MEAS

Clear all measurements

DATA RECALL

STORED MEAS

> CLR. ALL M

LAST MEASRM

With the **LAST MEASR** menu highlighted click to display the last measurement results.

- According to the current settings MOSKITO displays the results, for example up to three distances, azimuth and elevation.
- When **TARGETING** was used for a GPS measurement, MOSKITO displays two pages of results, including the target coordinates.

With the **STORED MEA** menu highlighted click to display the stored measurement results.

Use to scroll to the required measurement results. MOSKITO displays STORAGE 1 to STORAGE 10 and the according results.

With the **CLR. ALL M** menu highlighted click to delete all stored measurement results.

- Click again to actually delete all stored measurement results.
- Or press for approx. 2 seconds to cancel deleting.

MOSKITO



Las manos en

Meta:

- Realizar mediciones**
- Resultados de la tienda**
- Recuperar resultados almacenados**
- Realizar medición FOS
(Opción)**

MOSKITO



Cuidado y limpieza



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 **SAFRAN**

Cuidado y Limpieza: No hacer

No toque las lentes de vidrio con los dedos.

No ensucie las teclas de operación con aceite o grasa

Evite la transición brusca de temperatura (condensación)

"Tratar con cuidado"

Datos técnicos

- Impermeable: 1m, 30min.
- Temperatura operativa: - 35°C a +52°C
- Temperatura de almacenamiento: - 40°C a +65°C 40 g / 11 ms / xyz 1,22 m, 2x, madera contrachapada
- Choque:
- Gota:



Cuidado y Limpieza: Cómo hacer

Limpieza de lentes

Utilice un paño de microfibra u otro tejido óptico

No use ningún solvente

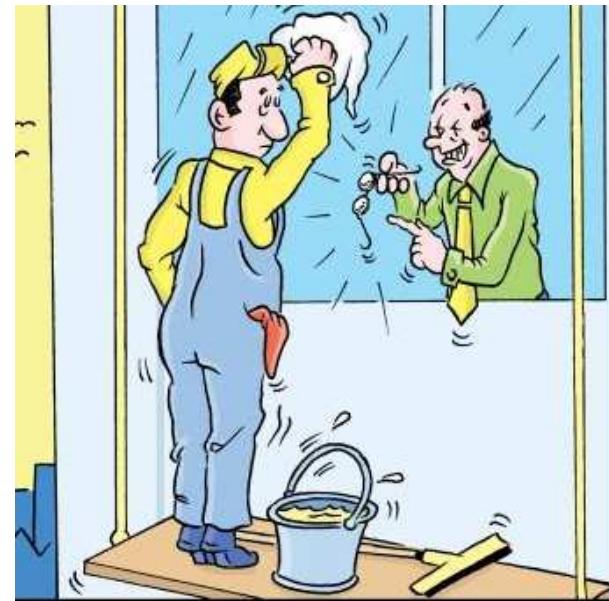
Limpieza de la carcasa

Limpie la carcasa con un paño húmedo

O usar agua

Sople el zócalo de la interfaz del dispositivo

Deje que el dispositivo se seque por completo antes de empaquetarlo.



MOSKITO Información Adicional - Descargas

-www.safran-vectronix.com

The screenshot shows a web browser window with the following details:

- Tab Bar:** MOSKITO | Safran Vectronix, Settings, https://www.safran-vectronix.com/product/...
- Content Area:**
 - MOSKITO FLYER:**
 - MOSKITO Flyer EN | PDF 1 MB
 - MOSKITO Flyer ES | PDF 2 MB
 - SOFTWARE OPTIONS:**
 - LRF DataViewer for Windows | ZIP 44 MB
 - LRF DataViewer for Android | ZIP 5 MB
 - LRF Data Viewer Flyer english | PDF 382 KB
 - Driver for USB datacable | ZIP 5 MB
 - Terminal Freeware | ZIP 83 KB
 - Installation Guide LRF DataViewer for Android | PDF 354 KB
 - BLUETOOTH PAIRING PROCEDURE:**
 - Bluetooth Pairing Procedure MOSKITO BT for Android | PDF 1 MB
 - Bluetooth Pairing Procedure MOSKITO BT for Windows | PDF 1 MB
 - WMM UPDATE 2020:**
 - MOSKITO – WMM Update Instructions | PDF 6 MB
 - MOSKITO – WMM Update Package | ZIP 1 MB

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MOSKITO



Las manos en

Meta:

- Uso al aire libre
- Todas las funciones
-
- Hoja de ejercicios



GRACIAS POR SU ATENCIÓN
¿Tiene usted alguna pregunta?