

Contents of the shipping box



Vangskroken 2
N-1351 RUD
Norway
Tel: +47 6717 4500
Fax: +47 6713 6770
Inquiry@nortek-as.com
www.nortek.no

Nortek order no:

4112-1-1-85

Type of system:

SIGNATURE 700

Instrument type:

- | | | | | |
|--|---|--|---------------------------------------|--|
| <input type="checkbox"/> Aquadopp | <input type="checkbox"/> Aquadopp 6000m | <input type="checkbox"/> Vector | <input type="checkbox"/> Signature55 | <input type="checkbox"/> Signature1000 |
| <input type="checkbox"/> Aquadopp profiler | <input type="checkbox"/> AWAC | <input type="checkbox"/> Vectrino | <input type="checkbox"/> Signature250 | <input type="checkbox"/> NortekDVL |
| <input type="checkbox"/> Aquadopp 3000m | <input type="checkbox"/> VM AWAC | <input type="checkbox"/> Vectrino profiler | <input type="checkbox"/> Signature500 | |

Software version:

SIGNATURE
DEPLOYMENT

Firmware version:

1.44792.2206.18/165

Other:

Cable:

- ☒ 10m length
- ☐ Other:

Connector:

- ☐ 8-pin Inline ☐ 12-pin UW
- ☒ 6-pin Inline ☐ 7-pin Souriau
- ☐ Other:

Communication:

- ☐ RS232 ☒ Ethernet
- ☐ RS422 ☐ Other:

Options:

- ☐ Analog input ☐ Synch
- ☐ Analog output ☐ Other:

Battery cannister:

- ☐ Paradopp battery cannister
- ☐ Single battery aluminium cannister
- ☐ Double battery aluminium cannister

Battery cables:

- ☐ 2pin Inline-2pin
- ☐ 8pin Inline-2pin
- ☐ 8pin rectangular-2pin

Accessories:

- ☒ Toolkit
- ☐ Quick guide
- ☐ Warranty card
- ☒ Final test checklist
- ☐ Seeding material
- ☐ USB to serial converter RS232
- ☐ Altronix AL310 USB driver
- ☐ Recorder kit/ProLog
- ☐ Battery harness for 2 batteries

Batteries:

- | | | |
|---|--------------------|--------------------------|
| <input type="checkbox"/> Alkaline 50Wh | 13.5V | <input type="checkbox"/> |
| <input type="checkbox"/> Alkaline 100Wh | 13.5V | <input type="checkbox"/> |
| <input type="checkbox"/> Alkaline 540Wh | 13.5V | <input type="checkbox"/> |
| <input type="checkbox"/> Alkaline 540Wh | 18V | <input type="checkbox"/> |
| <input type="checkbox"/> Alkaline 90Wh | 15V(Signature1000) | <input type="checkbox"/> |
| <input type="checkbox"/> Alkaline 180Wh | 18V(Signature500) | <input type="checkbox"/> |

Extra set:

AC/DC Power supply

- ☐ 15V standard ☐ 48V Signature55 Online ☐ 24V Vectrino
- ☒ 24V DC/DC & Signature
- Plug: ☐ EU ☐ UK ☒ US

Other:

MIDAS SOFTWARE

Date:

05.07.2018

Responsible:

Torjei Ueland

Final test checklist AD2CP



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Order number:
40112-1-1-85

Name: **Signature 100**
Instrument serial number: **100761**
Frequency: **100 KHz** Main board: **AD2CP 1257**
Firmware versions: **1.4. 4792. 2206-18 /165**

Label checked ☒ OK
Dock test ☒ OK
Baudrate 115200 ☒ OK

Comments:

Tilt check
☒ Pitch up
☒ Roll up
☒ Status bit
☒ Pitch down
☒ Roll down
pitch & roll within +/- 0.2 °

Clock
☒ Set clock
Heading
☒ Up
☒ Down
tolerance: +/- 2 °

Pressure
Psenortemp ☒ OK
tolerance: +/- 0.1 % of
1500 m
100
101

Temperature
☒ OK
tolerance: +/- 0.1 °

Beam check	Correct order	Beam Imp	Noise floor	Amplitude in tank	Range
Beam 1	<input checked="" type="checkbox"/> OK	67 Ω	25 dB	>80 dB	<input checked="" type="checkbox"/> OK
Beam 2	<input checked="" type="checkbox"/> OK	68 Ω	25 dB	>80 dB	<input checked="" type="checkbox"/> OK
Beam 3	<input checked="" type="checkbox"/> OK	69 Ω	25 dB	>80 dB	<input checked="" type="checkbox"/> OK
Beam 4	<input checked="" type="checkbox"/> OK	71 Ω	25 dB	>80 dB	<input checked="" type="checkbox"/> OK
Beam 5	<input checked="" type="checkbox"/> OK	481 Ω	25 dB	>80 dB	<input checked="" type="checkbox"/> OK

Velocity direction **To heavy to verify**
XYZ coordinate system **Platix correct!**
ENU coordinate system
X ☐ OK E ☐ OK
Y ☐ OK N ☐ OK
Z ☐ OK U ☐ OK
Z2 ☐ OK U2 ☐ OK

Head file
☒ Headfile checked
☒ Saved as read only

Serial communication
☐ RS422
☐ RS232

Recorder erased
☒ OK
Rec size: **128GB**

Ethernet
MAC address: **8C:68:78:00:04:E9**
Static IP address:
Set host name: **100761**

DHCP enabled ☒
FTP OK ☒

Licenses					
Averaging mode	<input checked="" type="checkbox"/>	Wave mode	<input type="checkbox"/>	Vertical velocity	<input type="checkbox"/>
Burst Five beams	<input type="checkbox"/>	Echo Sounder	<input checked="" type="checkbox"/>	Dual frequency low	<input type="checkbox"/>
Bottom track	<input type="checkbox"/>	Ice Measurement	<input type="checkbox"/>	Dual frequency high	<input type="checkbox"/>
High Resolution	<input type="checkbox"/>	Altimeter	<input type="checkbox"/>	16GB recorder	<input type="checkbox"/>
				64GB recorder	<input type="checkbox"/>
				128GB recorder	<input checked="" type="checkbox"/>
				256GB recorder	<input type="checkbox"/>
				Calibration license erased	<input checked="" type="checkbox"/>
				Production license erased	<input checked="" type="checkbox"/>
				Default configuration set	<input checked="" type="checkbox"/>

Cable/Harness
Communication ☒ Cable ☒ Communication ☒ Harness
Battery ☒ Battery ☒

Electrical isolation test
50V OK ☒

External sensors

Power down
☒ OK

Date
Day **02** Month **07** Year **18**
Signature