

# Contents of the shipping box



Vangkroken 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:

SIGNATUR 100

## 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:

SIGNATUR  
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:

☐ Alkaline 50Wh

13.5V

☐ Alkaline 100Wh

13.5V

☐ Alkaline 540Wh

13.5V

☐ Alkaline 540Wh

18V

☐ Alkaline 90Wh

15V(Signature1000)

☐ Alkaline 180Wh

18V(Signature500)

## Extra set:

## AC/DC Power supply

☐ 15V standard

☐ 48V Signature55

☐ 24V Vectrino

Online

## Plug

☒ 24V DC/DC & Signature

☐ 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 °

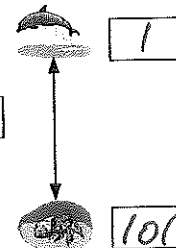
Pressure

Psensor temp

☒ OK

tolerance: +/- 0.1 % of

1500 m



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

XYZ coordinate system

ENU coordinate system

- X ☒ OK  
Y ☒ OK  
Z ☒ OK  
Z<sub>2</sub> ☒ OK

To heavy to verify

- E ☒ OK  
N ☒ OK  
U ☒ OK  
U<sub>2</sub> ☒ OK

Head file

- ☒ Headfile checked  
☒ Saved as read only

Serial communication

- ☒ RS422  
☒ RS232

Recorder erased

☒ OK

Rec size:

128 GB

Ethernet

MAC address: 8C:68:78:00:04:E9

DHCP enabled ☒

Static IP address:

FTP OK ☒

Set host name: 100761

Licenses

- Averaging mode ☒ Wave mode ☐ Vertical velocity ☐  
Burst Five beams ☐ Echo Sounder ☒ Dual frequency low ☐  
Bottom track ☐ Ice Measurement ☐ Dual frequency high ☐  
High Resolution ☐ Altimeter ☐ 16GB recorder ☐

64GB recorder ☐

128GB recorder ☒

256GB recorder ☐

Calibration license erased ☒

Production license erased ☒

Default configuration set ☒

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