

# Contents of the shipping box



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

Nortek order no:

40112-1-1-89

Type of system:

SIGNATURE 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:

SIGNATURE  
DEPLOYMENT

Firmware version:

1.44792.2206-8/16

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 ☐ 24V Vectrino
- Online
- Plug
- ☒ 24V DC/DC & Signature ☐ EU ☐ UK ☒ US

Other:

MIDAS SOFTWARE

Date:

05.07.2018

Responsible:

Tarjei Ueland



# Final test checklist AD2CP



Vangskroken 2  
N-1351 RUD  
Norway  
Tel: +47 6717 4500  
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Order number:  40112-1-1-84	Name:  Signature 100
Instrument serial number:  100766	Frequency: 100KHz
Frequency: 100KHz	Main board: AD2CP-1260
Firmware versions: 1.4.4792.2206-18 / 165	

Label checked	<input checked="" type="checkbox"/> OK
Dock test	<input checked="" type="checkbox"/> OK
Baudrate 115200	<input checked="" type="checkbox"/> OK

Comments:
-----------

Tilt check	
<input checked="" type="checkbox"/> Pitch up	
<input checked="" type="checkbox"/> Roll up	
<input checked="" type="checkbox"/> Status bit	
<input checked="" type="checkbox"/> Pitch down	
<input checked="" type="checkbox"/> Roll down	
pitch & roll within +/- 0.2 °	

Clock	
<input checked="" type="checkbox"/> Set clock	
Heading	
<input checked="" type="checkbox"/> Up	
<input checked="" type="checkbox"/> Down	
tolerance: +/- 2 °	

Pressure	
Psensortemp	<input checked="" type="checkbox"/> OK
tolerance: +/- 0.1 % of	
1500	m

Temperature	
<input checked="" type="checkbox"/> OK	
tolerance: +/- 0.1 °	

Beam check				
Correct order	Beam Imp	Noise floor	Amplitude in tank	Range
Beam 1	<input checked="" type="checkbox"/> OK	69 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	68 Ω	25 dB	> 80 dB <input checked="" type="checkbox"/> OK
Beam 4	<input checked="" type="checkbox"/> OK	68 Ω	25 dB	> 80 dB <input checked="" type="checkbox"/> OK
Beam 5	<input checked="" type="checkbox"/> OK	567 Ω	25 dB	> 80 dB <input checked="" type="checkbox"/> OK

Velocity direction	
To heavy to Verify.	
XYZ coordinate system	ENU coordinate system
X <input checked="" type="checkbox"/> OK	E <input checked="" type="checkbox"/> OK
Y <input checked="" type="checkbox"/> OK	N <input checked="" type="checkbox"/> OK
Z <input checked="" type="checkbox"/> OK	U <input checked="" type="checkbox"/> OK
Z2 <input checked="" type="checkbox"/> OK	U2 <input checked="" type="checkbox"/> OK

Head file	
<input checked="" type="checkbox"/> Headfile checked	
<input checked="" type="checkbox"/> Saved as read only	

Serial communication	
<input checked="" type="checkbox"/> RS422	
<input checked="" type="checkbox"/> RS232	

Recorder erased	
<input checked="" type="checkbox"/> OK	
Rec size:	128GB

Ethernet	
MAC address:	8C:68:78:00:04:EC
Static IP address:	
Set host name:	100766
DHCP enabled <input checked="" type="checkbox"/>	
FTP OK <input checked="" type="checkbox"/>	

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

Electrical isolation test	
50V OK	<input checked="" type="checkbox"/>

External sensors	
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Power down	
<input checked="" type="checkbox"/> OK	

Date	
Day	Month
02	07
Year	18
Signature	

