

Signature VM Coastal - 1000|500|250 kHz

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Signature VM

AD2CP

Signature VM Coastal

Signature VM Coastal Signature1000,500250.

Highlights

Applications

- [/] image not found or type unknown
- [/]
- [/] ADCP GNSS, (1000/500) 200 m
- [/] (1000/500)
- [/]
- [/]
- [/]

Technical specifications

[arrow] Signature VM 1000 KHz

- * 30 m
- 0.2-2 m
- 256
- 0.1 m
- 0.3% ± 0.3 /
- 0.1 cm/s
- 14 Hz
- 4 25°

*)

[arrow] Signature VM 500 KHz

- * 70 m

[arrow]

Signature VM 500 KHz

0.5–4 m
256
0.5 m
0.3% ± 0.3 /
0.1 cm/s
6 Hz
4 25°

*)

[arrow]

Signature VM 250 KHz

* 200 m
1–8 m
256
0.5 m
1% ± 0.5 cm/s
0.1 cm/s
2 Hz
4 20°

*)

[arrow]

Signature VM 1000 KHz

3 m/s 0.5 cm/s
± 0.1% / ± 0.1 cm/s
0.2 m
30 m
0.01 mm/s
4 Hz

[arrow]

Signature VM 500 KHz

3 m/s 0.5 cm/s
± 0.1% / ± 0.1 cm/s
0.3 m

[arrow]

Signature VM 500 KHZ

70 m

0.01 mm/s

2 Hz

[arrow]

Signature VM 250 KHZ

3 m/s

TBA

TBA

5 m

205 m

0.01 mm/s

1 Hz

[arrow]

Signature VM 1000 kHz

1 vertical

2 Hz

30 m

/ 0.001 m / 1% **

**)

[arrow]

Signature VM 500 kHz

1 vertical

2 Hz

70 m

/ 0.001 m / 1% **

**)

[arrow]

Signature VM 250 kHz

N/A*

N/A

N/A

/ N/A

[arrow]

Signature VM 250 kHz

*) 4 .

[arrow]

Signature VM 1000 / 500 kHz

0.5 dB

70 dB

4 25 °

2.9°

[arrow]

Signature VM 250 kHz

0.5 dB

70 dB

4 20 °

2.3°

[arrow]

Signature VM 1000 kHz Echosounder

1 vertical

2 Hz

30 m

3 mm - 0.25 m

bins

10,000

16 μs - 0.5 ms

(25% BW)

/

0.01 dB / 70 dB

[arrow]

Signature VM 500 kHz Echosounder

1 vertical

1 Hz

70 m

6 mm - 0.5 m

[arrow]

Signature VM 500 kHz Echosounder

bins 11,000
32 μ s - 1 ms
(25% BW)

/ 0.01 dB / 70 dB
[arrow]

Signature VM 250 kHz Echosounder

N/A
N/A
N/A
N/A
bins N/A
N/A
N/A
/ N/A

[arrow]

-4 °C to 40 °C / 0.1 °C

Piezoresistive

VM 1000/ VM 500: 0-100 m (), VM 250: 0-300m (

/ 0.1% FS/ 0.002%

/

16 GB (inquire for options)

20 m Ethernet cable (inquire for options)

IO Ethernet

DC 12-48 V DC

[arrow]

-4 °C to 40 °C

-20 °C to 60 °C

IEC 60068-1/IEC60068-2-64

EMC IEC 61000

300 -

[arrow]

MCBH6F

POM, VM 250

[arrow]

/ Intel i5/8 GB

SSD, 500 GB

Windows® 10

Half 19" 2 HE case or 19" rack-mountable 1 HE

265x110x340 480x45x325

24 V DC, 20 W typical

5.75 or 3.80 kg

Power, Signature ADCP, AN_GNSS, 2x HDMI, 2xLAN, 3x USB, 1x RS-232 (optional)

[arrow]

Nortek Signature VM

Signature VM - GNSS -

< 0.6 s IEEE1588/PTP GNSS /Signature VM

Signature VM (partly)Advanced Navigation GNSS compass

, *, ; (1000/500)*

Signature VM + AN_GNSS

NMEA CSV ASCII VMT MATLAB VMT, MATLAB QRev, KML

*) Signature1000 and 500

[arrow]

GNSS

Advanced navigation GNSS compass

(dGNSS) / 0.6 / 0.01 ; 1.0 / 0.02

Heading 0.2° / 0.09°

GPS L1, GLONASS G1, GALILEO E1, Beidou B1

RTK GPS L1_L2, GLONASS G1_G2, GALILEO E1_E5b, BeiDou B1_B2

9-axis IMU

Ethernet 10/100

PTP NTP

[arrow]

GNSS

NMEA0183 AN Packet TSS1 Simrad

[arrow]

AHRS

± 2 g

$\pm 250^\circ/\text{sec}$

± 1.3 Gauss

Pitch roll $\pm 90^\circ$ (pitch), $\pm 180^\circ$ (roll)/0.01°

Pitch roll $\pm 2^\circ$ (dynamic), $\pm 0.5^\circ$ (static, $\pm 30^\circ$)

Heading /360°, all axes /0.01°

Heading $\pm 3^\circ$ (dynamic), $\pm 2^\circ$ (static, tilt $< 20^\circ$)