



AquaProfiler[®] - M

Mobile acoustic flow measurement

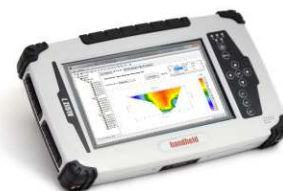
The mobile ADCM-Sensor for use on rod

Description

- 1-D velocity sensor
- Point measurement
- Integrated water level sensors (pressure sensor)
- Discharge calculation according to EN ISO 748
- ASCII and XML data export to Software-Q
- Graphical menu on robust and weatherproof Tablet PC



mobile ADCM Sensor
for use with
wading rod



Tablet-PC Type
HDA-Pro



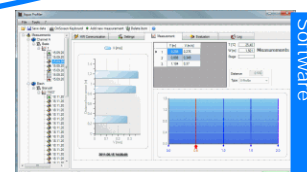
Application in River



Application on rod



Flow Measurement



Software AquaProfiler



Technical Data AquaProfiler® -

With our AquaProfiler®-M we offer an acoustic flow meter for measurement of point velocities in open channels (e.g. in rivers, brooks or irrigation channels) useable in water depths of about 2 cm.

It is used for discharge measurements according to the classical method of verticals and is easily mounted to common wading rods like for example the rod of the SEBA Universal current meter F1.

Proven acoustic measurement principles in combination with the most modern procedures of signal analysis guarantee for precise and reliable measurement results. Thanks to the integrated pressure sensor, both current water level at each vertical as well as the immersion depth of the AquaProfiler-M sensor can be measured.



Velocity Sensor

1-D Doppler Velocity Meter with integrated Water Level and Temperature sensors

Acoustic Frequency: 6 MHz
Maximum number of cells: 128
Velocity range: 3 cm/s ... 3 m/s
Accuracy: 1% of measured value
 +/- 0,25 cm/s
Operation Temperature: 0°C to 50°C
Dimensions: Ø 30mm, Length: 150 mm

Water Level Sensor (integrated)

integrated hydrostatic water level
Range: 0 to 4m
Accuracy: 0,1% of measured value
Resolution: 0,01% of measured value

Temperature sensor (integrated)

Range: -5°C to +40°C
Accuracy: +/- 0,1°C
Resolution: 0,1°C

Technical Data Tablet PC Type HDA-Pro



Operating system: Microsoft Windows 7 Professional
- 1.6 GHz Processor
- 2 GB DDR2 RAM;
- 64 GB SSD Hard Disk

Display: - 7" widescreen 1024x600 WSVGA
- readable under sunlight conditions
- touchscreen - rugged waterproof design
- integrated speaker and microphone

- integrated GPS (WAAS/EGNOS)
- integrated digital Camera 2 Megapixel
- integrated Bluetooth Interface 2.0
- integrated WLAN 802.11 b/g/n

Dimensions: 144 x 242 x 40 (LxWxH)
Weight: 1100 g incl. rechargeable battery
Protection Class: IP65

Delivered incl. mounting bracket for use with wading rod

Accessories

Backpack for safe storage of measuring equipment

Fixing Element for rod Ø 20mm

Rechargeable Battery Pack NiMH 4.000 mAh for up to 30 hours operation period & charger

The right is reserved to amend technical specifications without prior notice.



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