



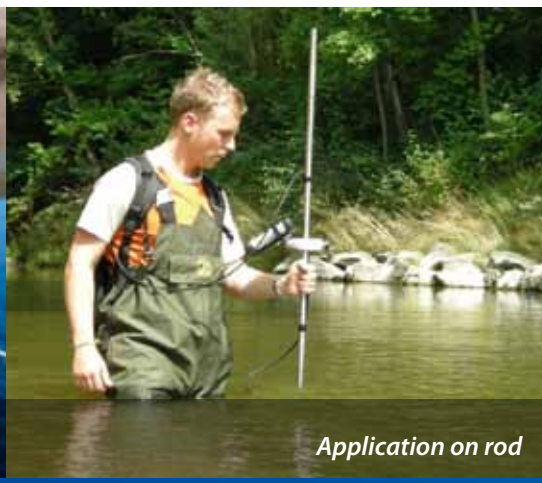
HydroProfiler-M - Mobile acoustic flow measurement

The mobile ADCM-Sensor for use on rod

- 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



Application in River



Application on rod



Tablet-PC Type HDA-Pro

HnydroProfiler-M

With our HydroProfiler-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.



Technical Data

Velocity Sensor:	1-D Doppler Velocity Meter with integrated Water Level and Temperature sensors for particle concentration > 50 ppm	
	Acoustic Frequency:	6 MHz
	Velocity range:	0 cm/s ... 5 m/s
	Accuracy:	1 % of measured value +/- 0.25 cm/s
	Operation Temperature:	0 °C to 50 °C
	Dimensions:	Ø 45 mm, Length: 290 mm
	Flexible cable:	5 m from sensor to backpack
	Protection class:	IP 68
Water Level Sensor (integrated):	integrated hydrostatic water level	
	Range:	0 to 4 m
	Accuracy:	0.1 % of measured value
	Resolution:	0.01 % of measured value
Temperature sensor (integrated):	Range:	0 °C to + 50 °C
	Accuracy:	+/- 0,3 °C
	Resolution:	0.1 °C

The right is reserved to change or amend the foregoing technical specification without prior notice.

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