



Handheld electromagnetic water flow meter with automatic discharge calculation

- Usage Type Spot
- Measurement technology Electro-magnetic
- Parameters measured Flow velocity and water depth
- Product Highlights

Low maintenance magnetic - inductive probe with level measurement for reliable flow measurements. Works well in low flow and turbulent conditions, cross - sections with weed growth and pollution. Applicable in streams and conduits.

- Measurement range 0 ... 6 m/s
- Accuracy

 $\pm$  2% of measured value  $\pm$  0.015 m/s ( 0 ... 3 m/s ) and  $\pm$  4% of measured value  $\pm$  0.015 m/s ( 3 ... 5 m/s )

The OTT MF Pro is a user-friendly, low maintenance electromagnetic current meter for costefficient in-stream discharge measurement.

The OTT MF pro saves time in the field by automatically calculating discharge and its electromagnetic sensor head is maintenance-free, ideal for use in low-flow environments,



and unaffected by large amounts of organic matter.

Measurement methodMagnetic-inductiveMeasuring range:0 6 m/s
Measuring range: 0 6 m/s
Accuracy
Accuracy at 0 3 m/s ±2% of meas. value ±0.015 m/s
Accuracy at 0 5 m/s ±4 % of meas. value ±0.015 m/s
Zero stability ±0.015 m/s
Resolution
0.001 at measured value <10
0.01 at measured value <100
0.1 at measured value >100
Depth measurement (option)
Absolute pressure sensor with single point calibration
Measuring range: 0 3.05 m
Accuracy: The larger of ±2% of measured value or ±0.015 m
Methods for velocity
measurement
Streams: 1-,2-,3-,4-,5- and 6-point measurement, ice measurement (1 point and 2 points), surface measurement according to ISO, 2-point
measurement according to KREPS
Conduits (canalization): 0.9 x Vmax; 0.2/0.4/0.8; 2D
velocity integrating method
Conduit profiles: Circular, rectangular, trapezoidal, 2/3 egg, inverted 2/3 egg
Circular, rectangular, indpezoidat, 2/3 egg, inverted 2/3 egg
Methods for discharge
EN ISO 748 Mid and Mean section method
Power supply Lithium-ion battery
Lifetime 18 hours typ. (20°C)
Data memory capacity Up to 10 measuring locations (of 32 vertical profiles each)
Temperature -20 +60°C (operation/storage)
المسطله ما ما سمنه ما تصامير

Handheld unit display



LCD 3.5', QVGA
USB Mini B type, 5-pin
TSV (Tab Separated Value) file format
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Real-time velocity measurement, Discharge profile (stream/conduit)
50 Hz, 60 Hz (adjustable)
2 m, 6 m,12 m, and 30 m
ABS, glass-fiber reinforced
Polycarbonate, moulded,by shock-absorbing elastomer (TPE)
11.9 cm x 4.3 cm x 6.3 cm
0.5 kg ( with 6 m cable)
21.8 cm x 9.3 cm x 5.3 cm
0.68 kg

IP class of protection	
Sensor:	IP68
Handheld unit:	IP67 (USB cap attached)