



## OTT MF Pro Velocity Sensor, Cable 6 m

**Product #:** 1040500595-1N

**USD Price:** Contact Hach

The OTT MF pro is a magnetic-inductive flow meter designed for SxS wading rod measurements in smaller rivers and open channels. The low-maintenance system consists of a compact light-weight sensor and a robust handheld unit that reliably operates even under rough environments. Both system components are designed to be attached to conventional wading rods.

### **Discharge automatically calculated**

The OTT MF pro computes discharge automatically based on USGS and ISO methods, saving time and eliminating potential for error caused by written transcription.

### **Real-time velocity**

Velocity is graphed in real-time on the meter's color display, allowing trends to be visualized quickly.

### **Maintenance-free**

The electromagnetic sensor head has no moving parts and is virtually maintenance-free.

### **Versatile applications**

The sensor's magnetic inductive measurement principle makes the OTT MF pro ideal for use in low-flow conditions and environments heavy in organic matter, unlike mechanical or acoustic meters.

### **User-friendly handheld**

A lightweight, water-resistant handheld features a full color display that is easily readable even in bright sunlight. Depth sensor: optionally included in the unit.

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## Specifications

*Parameters Measured:	Velocity
Accuracy:	Velocity: Range 0 - 10 ft/s: $\pm 2\%$ of reading $\pm 0.05$ ft/s Reading 10 - 16 ft/s: $\pm 4\%$ of reading
Accuracy 2:	Depth: The larger of $\pm 2\%$ of reading or $\pm 0.015$ m
Cable Length:	20 ft (6 m)
Depth Measurement Method:	Not Included
IP Rating:	IP68
Measuring Range:	Velocity: 0 - 20 ft/s (0 - 6 m/s)
Minimum water level:	1.25 in (3.18 cm)
Operating Temperature Range:	-4 - +131 °F (-20 - +55 °C)
Protection Class:	IP 67
Resolution:	Velocity:

$0 \leq \text{value} \# 10$ : 3 decimal places

$10 \leq \text{value} \# 100$ : 2 decimal places

$100 \leq \text{value} \# 1000$ : 1 decimal place

$\text{value} \geq 1000$ : 0 decimal places

Depth:

$0 \leq \text{value} \# 10$ : 3 decimal places

$10 \leq \text{value} \# 100$ : 2 decimal places

$100 \leq \text{value} \# 1000$ : 1 decimal place

$\text{value} \geq 1000$ : 0 decimal places

Standard storage temperature:

-4 - +140 °F (-20 - +60 °C)

Velocity Measurement Zero Stability:

$\pm 0.05$  ft/s ( $\pm 0.015$  m/s)