



TEC-SPEC
FLO-TOTE 3™
Model 3000
Combined electromagnetic
Area/Velocity Flow Sensor



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Rev.: 03
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FLO-TOTE 3™ Model 3000

The *FLO-TOTE 3™* is the universal Flow Sensor to be connected to any MMI-Europe Open Channel Flow Logger and Transmitter like *FLO-LOGGER™* and *FLO-STATION™*.

Velocity Measurement

Method: Electromagnetic (Faraday's Law)
Range: -1.5 to +6 meters per second
Accuracy: $\pm 2\%$ of reading, zero stability at 0 to +3 m/s
Zero Stability: ± 0.015 m/s
Resolution: 0.001 m/s

Level Measurement

Method: Submerged pressure transducer
Range: Standard 0.01 to 3.5 meters. Optional 0.01 to 7 meters
Accuracy: $\pm 1\%$ reading, ± 0.01 m zero stability for 0 to 3m/s. Includes non-linearity, hysteresis, temperature and velocity effects.
Zero Stability: ± 0.01 m
Resolution: 0.001 m
Over Range Protection: 7m (optional 14 m)

Flow Measurement

Method: Conversion of water level and pipe size to fluid area. Conversion of local velocity reading to mean velocity. Multiplication of fluid area by mean velocity to equal flow rate.
Conversion Accuracy: $\pm 5.0\%$ of reading. Assumes pipe is 10 to 100% full and with a level greater than 50 mm

Temperature Measurement:

Method: 1 wire digital thermometer
Range: -10° to 85° C

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Material

Standard: Polyurethane

Dimensions: 130 mm L, 45 mm W, 30 mm H

Weight: 1.25 Kg. (with 9 m of sensor cable)

Operating Temperature Range: 0° to 45° C

Storage Temperature: -5° to 50° C

Sensor Cable

Material: Polyurethane jacketed

Length: Standard: 9 m

Optional: 18 m, 30 m or length as needed up to 300 m

Change without notice

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