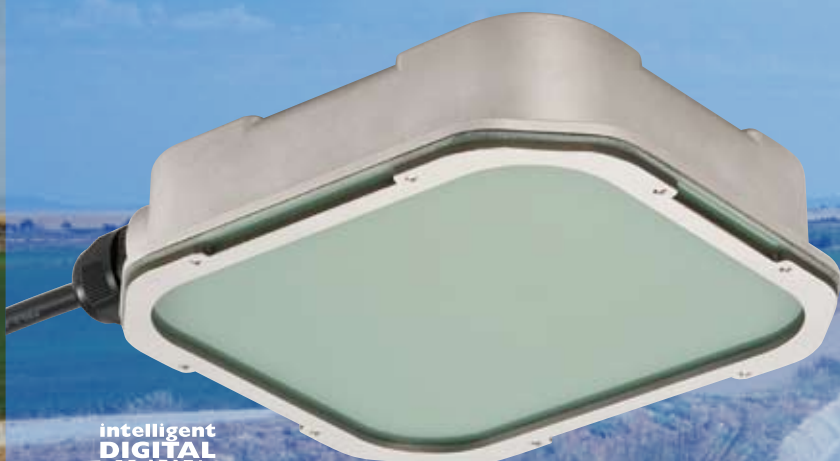


Measurement Unlimited by The Imagination.

Flat Radar Level Sensor

MRF-10



intelligent
DIGITAL

Features

1. IP68 submergible

Stormwater will not break MRF-10 by under the water.

2. Compact body (Height: 54mm)

Height: 54mm, easy installation for narrow space like under the Manhole

3. Loop-Powered

Easy replacement to existing Loop-powered instrumentations

4. HART communication

HART protocol has been superimposed onto analog output.

5. Easy Configuration

Graphical PC software by HART

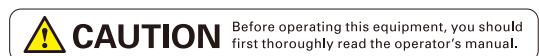
6. Simple one-piece structure

No independent main console required

Specifications

General	Measuring principle	Time of Flight Impulse Radar Technology
	Operating frequency	5.8GHz
	Half power beam angle	Lengthwise: 50° / Crosswise: 23°
	Display / Configuration	No display / Graphical PC Configuration available
Electrical	Power supply	Loop-powered 16 ~ 36V DC
	Output	Analog: 4 - 20mA + Digital: HART Protocol
	Output variable	Level, Ullage (m or ft), Volume (%), Amplitude (dB)
	Signal on alarm	Hold, Low (3.9mA), High (22mA)
Mechanical	Others	Arrester and 10m shielded twisted 3 - cores Cable are built-in.
	Housing (Enclosure)	Body: Casting stainless steel (316 equivalent) / Antenna face: FRP
	Size	172 x 192 x 54mm (without Cable gland)
	Mass	Approx. 2.7kg (without Cable)
Environment	Ambient temperature	-20°C ~ 70°C (-4°F ~ 158°F)
	Ambient pressure	ATM
	Protection degree	IEC 60529 IP68 (10m Depth / 24hr.)
Measuring Performance	Accuracy	±5mm (0.1 - 5m range) ±10mm (5 - 10m range)
	Repeatability	±1mm
	Update interval	1sec
	Measuring range	Up to 10m Max. Applicable circular channel : more than Φ 400mm

Design and specifications are subject to change without prior notice, and without any obligation on the part of the manufacturer.




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