

**Measurement Unlimited by The Imagination.**

Microwave Level Gauge

**MRG-10**



intelligent  
**DIGITAL**  
METER

## Features

### 1. Loop-Powered

Easy replacement to existing Loop-powered instrumentations

### 2. Easy Configuration

Menu driven 4-keys input or Graphical PC software by HART

### 3. Easy Installation and connection with any Flange

Gauge and Flange can be connected at site.

### 4. The least effect by following tough condition

-Vapor atmosphere, Temperature change, Pressure change and Density / Gravity change

## Specifications

General	Measuring principle	Time of Flight Impulse Radar Technology			
	Operating frequency	5.8GHz			
	Half power beam angle of each antenna	Cone			Rod
		4 inch	6 inch	8 inch	
	34°	22°	17°	30°	
	Local display	Level, Ullage, Volume, Current or Amplitude output			
Electrical	Power supply	Loop powered 16 ~ 36V DC (16 ~ 28V DC in Ex applications)			
	Output	Analog: 4 - 20mA + Digital: HART Protocol			
	Output variable	Level, Ullage (m or ft), Volume (%), Amplitude (dB)			
	Signals on alarm	Hold, Low (3.9mA), High (22mA)			
Mechanical	Antenna	Cone antenna: 4", 6", 8" Stainless steel (316L), PTFE, Viton Rod antenna: PFA and Stainless steel (316L, ext. version)			
	Housing (Enclosure)	Casting aluminum			
	Cable entry	2 - M20 x 1.5			
Environment	Ambient temperature	-20°C ~ 70°C (-4°F ~ 158°F)			
	Tank inside temperature	-20°C ~ 150°C (-4°F ~ 302°F)			
	Max. pressure	1.0MPa			
	Protection degree	IEC 60529 IP65			
Measuring Performance	Accuracy	±10mm			
	Repeatability	±1mm			
	Update interval	1sec			
	Measuring range	Up to 20m Max.			

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

 **CAUTION** Before operating this equipment, you should first thoroughly read the operator's manual.



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[www.tokyokeiki.jp/e/products/measurement/](http://www.tokyokeiki.jp/e/products/measurement/)

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