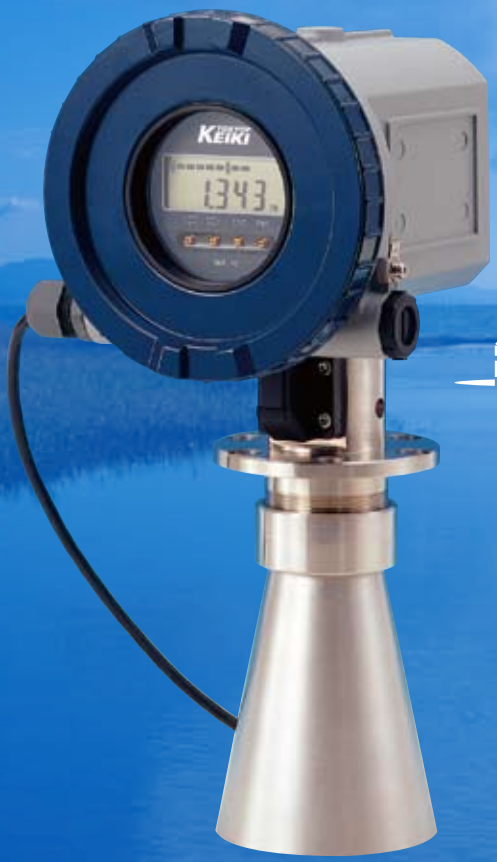
TOKYO KEIKI

Measurement Unlimited by The Imagination.

Microwave Level Gauge

MRG-10



TOKYO KEIKI is the First Manufacture of ULTRASONIC FLOWMETER among the WORLD since 1963.

TOKYO KEIKI INC.

Microwave Level Gauge

MRG-10

intelligent DIGITAL

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 × 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				
	Ex. approval	Ⅱ 1/2GD Ex ia ⅡC T4 / Ⅱ 2G Ex ia ⅡC T4 (ATEX)				
Measuring Performance	Accuracy	±10mm				
	Repeatability	±1mm				
	Update interval	1sec				
	Measuring range	Up to 20m Max.				

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

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www.tokyo-keiki.co.jp/ryutai/

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November 2011 Cat.No.1413-1-E-3-H