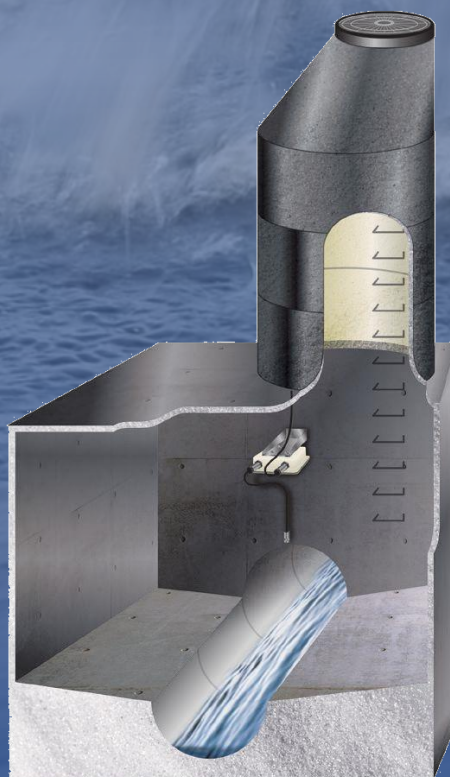


Measurement unlimited by the imagination.

Hybrid Level Gauge

HC-10



intelligent
DIGITAL
TECHNOLOGY

Features

1. Wider coverage of measuring range

HC-10 realizes total 18m coverage of flood water level measurement by integrating both advantage of non-contacting radar measurement method and pressure measurement method into 1 device.

2. Automatic Switching System

During non-flooding conditions, HC-10 measures by non-contacting radar. Once the water level rises, the measurement method is switched to absolute pressure measurement automatically.

3. Automatic Calibration System

Radar sensor of HC-10 calibrates absolute pressure sensor before switching the measurement method to avoid any fluctuations in the continuity of water level measurement.

4. Least maintenance required

In case of non-flooding conditions, HC-10 measures water level with a non-contacting method. Therefore, minimal maintenance is required.

Specifications

Measurement	Method	Microwave Pulse Radar / Pressure Sensor Combination		
	Antenna	Microstrip antenna Material : Hard PVC (Heat resistance) Beam Angle : E plane 50° / H plane 23°		
	Diameter Range	Over 200R (Over φ400)		
	Accuracy	Microwave Method	±5mm (0.3~5m) / ±10mm (5~10m)	
		Pressure Method	±50mm	
	Range	18m (Microwave Method : 10m Pressure Method : 8m)		
Interval	1 second			
Output	Microwave Output	Frequency	5.8GHz	
		Power	less than 35μW/m @3m (Low power microwave)	
	Analog Output	Resolution	0.4μA	
		Alarm Output	Hold / Low(3.9mA) / High(22mA)	
		Temperature Dependence	Less than ±0.05%FS/10K and 0.5%FS p-p	
	Digital Output	Communication System	using HART modem	
Resolution		1mm		
Operational Power		2 wire (Looped-powered) DC 16V~36V		
Temperature		-20°C ~ +70°C (However, the pressure sensor must not freeze.)		

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.



TOKYO KEIKI INC.

Measurement Systems Company

<https://www.tokyoikeiki.jp/e/products/measurement/>