KANAGAWA INSTRUMENTS

High Temperature Radar Level Transmitter

Model: KRLT- H



Applications

The KRLT-H belongs to the new generation of 80 GHz radar sensors. It is suitable for continuous, non-contact level measurement in simple solid applications. Wizards guidethrough commissioning, retesting and verification of the instrument and guarantee easy handling. The small beam angle is perfect for measurements in narrow silos. Heartbeat Technology detects unwanted anomalies, such as buildup, for increased productivity.

Benefits

Easy handling through intuitive operation and wizards, for commissioning and verification

Easier troubleshooting thanks to recommended actions in the display

Safety by Design: Device development according to IEC 61508

Increased productivity because of process monitoring, verification and diagnostics during operation with Heartbeat Technology

Easy device integration into asset management systems through digital communication

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Technical Specifications

Model	KRLT-H
Product Type	FMCW Radar Level Transmitter
Application	*Simple liquid Measurement (exp: water, up to 30m) *Standard liquid measurement (exp: Corrosive chemical)
Frequency	77GHz-81GHz
Measurement Range	10M 20M 30M
Accuracy	±2mm
Beam Angle	±2.9°
Antenna Material	PFA
Process Connection	Flange is customized
Process Temperature	250°C
Process Pressure	Normal atmospheric pressure
Signal output	4-20mA/RS485(Modbus - RTU)/Hart/Bluetooth
Power	Two-wire DC 24V (18V~36V)
Protection	IP65
Explosion-proof	Ex db ia IIC T6 Gb
Flange size	DN50, DN80, DN100, DN125, DN150
Flange material	SS304 with PFA antenna

Model Selection

KRLT-H	**80GHz Radar Level Transmitter (Aluminum housing, with display)**						
	Code	**Measuring Range(m)**					
	0.2~30	10 20 30					
		Code	**Connection**				
		G	G2''				
			Code	**Temperature**			
			H	250°C			
				Code	**Cable entry**		
				M/N	M20×1.5(F)/1/2NPT		
					Code	**Electronics**	
					T	Two-wire 4...20mA	
					M	Modbus	
					H	HART	
					B	Bluetooth	
						Code	**Protection**
						P	IP65
						Code	**Explosion-proof**
						E	**Ex db ia IIC T6 Gb**
KRLT-H	**10**	**G**	**H**	**M**	**TMH**	**P**	**E**