

RADAR LEVEL TRANSMITTER

INTRODUCTION

Guided wave radar transmitter works on the principle of time and travel (TDR). Radar wave travels at the velocity of light. The flying time is converted into level signal via the electronic components. The probe emits high frequency wave pulses which travels along a cable probe or a rod probe. When the wave pulse reaches the medium surface, it will be reflected and received by the receiver, and then the distance signal will be converted into level signals.

FEATURES

- Measuring Range up to 30meter
- Exproof
- Easy mounting with flanged or threaded connection
- Programming through Keyboard or HART
- Good accuracy

APPLICATIONS

- White lime
- Special Cement
- Sugar
- Solvent
- Palm oil
- Normal cement, Plaster
- Mineral oil, fuel
- Grain, seeds
- Stone
- Sand
- Metal powder
- Carbon black
- Coal
- Liquid with water
- Alcohol Liquid ammonia

ORDERING INFORMATION

Order code : 2512



SPECIFICATIONS

All specifications at ambient of 25 °c, unless specified otherwise

Radar	Contact type
Application	liquid and solid powder
Measuring range	30m
Process connection	Threaded or flange
Watted Part MOC	SS304 / SS316 / PTFE coated
Process temperature	-40 up to 250°C
Process pressure	-0.1 to 2 Kg/cm ²
Accuracy	±3mm or 0.25% of FSD
Frequency range	100MHZ~1.8GHz
Signal output	4-20mA/ HART (2-wire)
Supply Input	15 to 30VDC
Repeatability	±2mm
Resolution	1mm
Sample	echo sampling 55 times /s
Responding time (application)	>0.2s (depends on the
Enclosure	Weather-proof or Ex-proof IIC
Enclosure protection grade	IP67

ENQUIRIES

Instruments: sales@radix.co.in
Sensors: sensors@radix.co.in
Gauges: gauges@radix.co.in
Automation: automation@radix.co.in

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