

# RADAR LEVEL TRANSMITTERS



## FEATURES

- > Advanced non-contact measurement
- > To measure level for liquids and solids
- > Measuring for different mediums which dielectric constant >1.8
- > Measuring range is up to 30m
- > 2-wire and loop powered
- > 4-20mA, with HART
- > Resolution 1mm
- > Not affected by noise, steam, dust or vacuum
- > Not affected by changes of medium density, viscosity or temperature
- > Process pressure up to 6 Kg/cm<sup>2</sup>
- > Process temperature up to 250°C

## APPLICATION

- > Suitable for simple process conditions, corrosive liquids, slurry, e.g. storage tanks for waste water, acid or alkali, and slurry

## ORDERING INFORMATION

- > RLT2XX

## SPECIFICATIONS

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

Measuring range (maximum)	10m / 20m / 30m
Process connection	Flanged or Threaded <= 1/2" BSP
Process temperature	-40°C ~150 °C Option : Upto 250 °C
Process pressure	-0.1 ~ 5 Kg/cm <sup>2</sup>
Repeatability	±1mm
Accuracy	±3mm
Frequency range	Non-contact, 6.8 Ghz
Ingress protection	IP67
Signal output	2-wire, 4-20mA, loop powered Option : HART
Display	LCD display with signals graph
Programming	Through four keys or using HART

- PTFE rod type antenna is specially used to measure the corrosive liquid, e.g. acid or alkali.
- For tanks having a small opening for installation of level transmitter, RLT211 (with rod antenna) is suitable.
- Suitable for corrosive applications, eg storage tanks for waste water, acids, alkalis, slurry, etc.

RLT 211 : Rod antenna type for corrosive liquids

RLT 212 : Rod antenna type for corrosive liquids

RLT 213 : Horn antenna type for Liquid Level measurement

RLT 214 : Horn antenna type for Solid Level measurement