



YPL INSTRUMENTS PVT. LTD.

RADAR LEVEL TRANSMITTER- YPL-RLT26

Description

YPL make non-contact type Radar Transmitter series 3300 is designed for level Measurement of both solids & liquids. The output of the instrument is proportional & is designed to measure & transmit electrical signals proportionally to the changes in the liquid/solid level. The microwaves impulses emitted by antenna radar of the instrument travel at speed of the light and a part of their energy. Which is reflected by surface of medium to measure ,comes receipt by same antenna. The period of the time that it passes between the emission of the impulses and the reception of the same ones from the antenna is proportional to the existing distance between the same antenna and the surface or the liquid/solid to measure.

Working Principle

The Micro Process in the instrument process the signals and identify the period and the time between emission of the impulses & their correct resolution & frequency determines the level.



Characteristics

- 1) Advanced Non-contact measurement.
- 2) Suitable for level measurement both solids/liquids.
- 3) Suitable for those medium with dielectric constant > 1.8 .
- 4) Two wire transmitter with output of 4~20mA along with HART protocol.
- 5) Resolution : 1mm .
- 6) The Transmitter is not affected by environment with noise, steam, dust & vacuum .
- 7) The instrument is not affected by changes density, consistency & temperature.
- 8) Max. process pressure : Upto 40 bar
- 9) Max. process temperature : 250°C
- 10) Measuring range : 35 Ltrs
- 11) Repeatability : ± 3 mm
- 12) Accuracy : Less than 0.1%
- 13) Frequency range : 6.8 GHz
- 14) Input voltage : 15 ~ 36 V DC

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