

TRANTECH RADAR LEVEL SENSOR - TTR80N



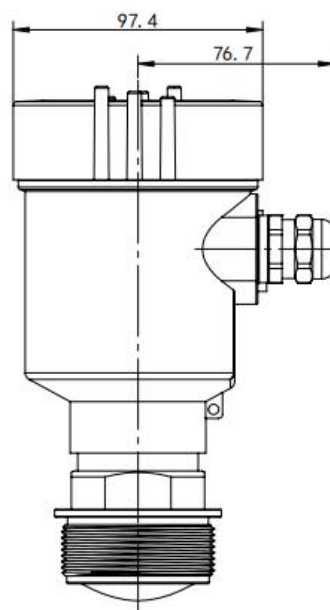
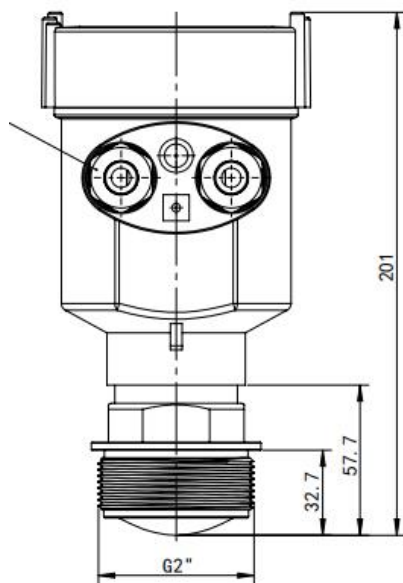
Product Details

The Trantech TTR80N 80GHz radar level transmitter is the ideal sensor for non-contact level measurement for liquids and solids. This sensor offers a robust aluminum housing with built in digital display and push button programming. The sensor has a stainless steel screw thread with PTFE antenna. Using 80 Ghz FMCW high frequency radar technology this sensor offers great performance and accuracy.

Features

- High Frequency 80Ghz radar
- FMCW (Frequency Modulated Continuous Wave)
- Accuracy : +-2mm (liquid)
- Range : Up-to 30m
- Radar angle : +- 3°
- Push button configuration
- 4-20mA / Modbus / Hart
- Thread connection or Flange

Dimensions



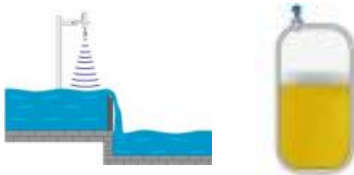
Applications

Open applications :

- Open channel level measurement
- Water & wastewater field
- Rain basins
- Dam level

Closed applications :

- Tanks
- Storage vessels

Model	TTR80N
Product Type	Radar Level sensor - FMCW (Frequency Modulated Continuous Wave)
Application	 <ul style="list-style-type: none"> * Open channel water measurement * Standard liquid measurement * Bulk Solids
Frequency	77GHz-81GHz
Measurement Range	10M 20M 30M (Adjustable via push buttons)
Accuracy	±2mm for liquid
Beam Angle	±3°
Material	Housing : Aluminum, Thread : Stainless steel, ANT : PTFE
Process Connection	Thread G2"m (flange available)
Process Temperature	-20°C to 70°C
Process Pressure	Normal atmospheric pressure
Signal output	4-20mA / RS485 / HART
Power / consumption	Two-wire DC 24V (22V~30V) (96 to 480mW)
IP Protection	IP67
Size	96mmx200mm, weight +-2Kg

Model Selection



TTR80N 80GHz Radar Level Transmitter (SS 304 housing, with display)

Code	Medium Type
WS	Water / liquid
SP	Solid / Powder
Code	Measuring Range(m)
0.2~30	10, 20, 30
Code	Connection
G	G'' Thread
F	Flange
Code	Temperature
N	-20-70°C
Code	Cable entry
M	M20×1.5(F) 1/2" Npt
Code	Electronics
T	Two-wire 4...20mA
M	Modbus
H	HART
E	Ex db ia II T6 Gb

TTR80N	WS	10	G	N	M	T
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