



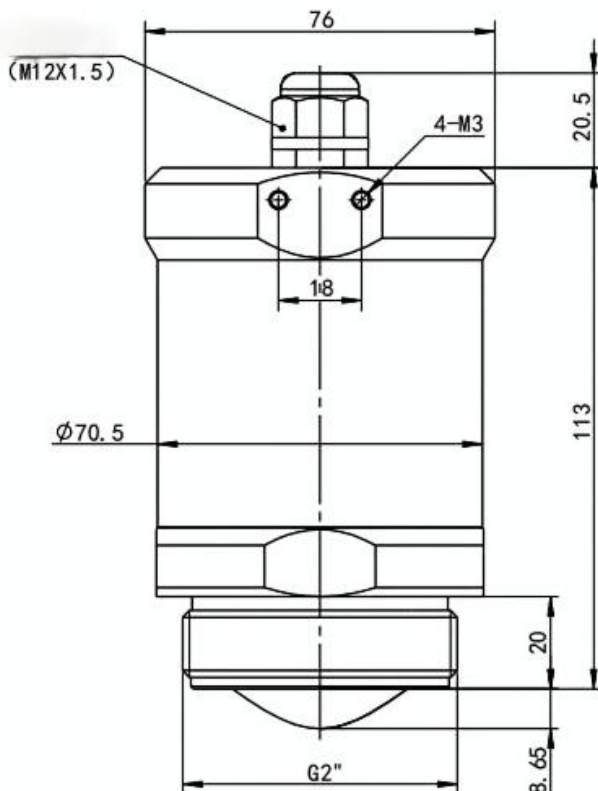
## Product Details

The Trantech TTR80WE 80GHz Radar Level Transmitter is the ideal sensor for non-contact level measurement for liquids and solids. This sensor offers a robust stainless steel housing, IP68 enclosure and uses 80 GHz FMCW high frequency radar technology offering performance and accuracy.

## Features

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

## Dimensions



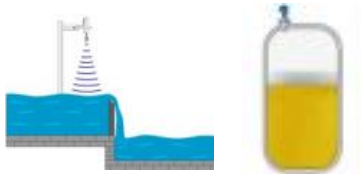
## Applications

### Open applications :

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

### Closed applications :

- Tanks
- Storage vessels

<b>Model</b>	TTR80WE
<b>Product Type</b>	Radar Level sensor - FMCW (Frequency Modulated Continuous Wave)
<b>Application</b>	 <p>* Open channel water measurement</p> <p>* Standard liquid measurement</p>
<b>Frequency</b>	77GHz-81GHz
<b>Measurement Range</b>	10M 20M 30M (Adjustable via BT app)
<b>Accuracy</b>	±2mm for liquid
<b>Beam Angle</b>	±3°
<b>Material</b>	Stainless Steel
<b>Process Connection</b>	Thread G2"m (flange available)
<b>Process Temperature</b>	-20°C to 60°C (-20 to +140°F)
<b>Process Pressure</b>	Normal atmospheric pressure
<b>Signal output</b>	4-20mA / RS485 / HART
<b>Power / consumption</b>	Two-wire DC 24V (22V~30V) (96 to 480mW)
<b>IP Protection</b>	IP68 with 10 meter fitted cable (other length available)
<b>Size</b>	74mm*97mm, weight +-1.5Kg



TTR80WE 80GHz Radar Level Transmitter (SS 304 housing, no 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	-20-60°C
Code	Cable entry
M	M12×1.5 with 10 m cable fitted
Code	Electronics
T	Two-wire 4...20mA
M	Modbus
H	HART
B	Bluetooth

TTR80WE	WS	10	G	N	M	TMHB
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