



Tracer Air **LTTA-80**

80GHz NON-CONTACT RADAR LEVEL TRANSMITTER



DESCRIPTION

The Tracer Air™ 80GHz Radar Level Transmitter is accurate, easy to use and cost efficient. Featuring through the air technology, the radar level antenna emits narrow microwave beam that transmit down the antenna. The signal comes into contact with the application surface then reflects back to the device.

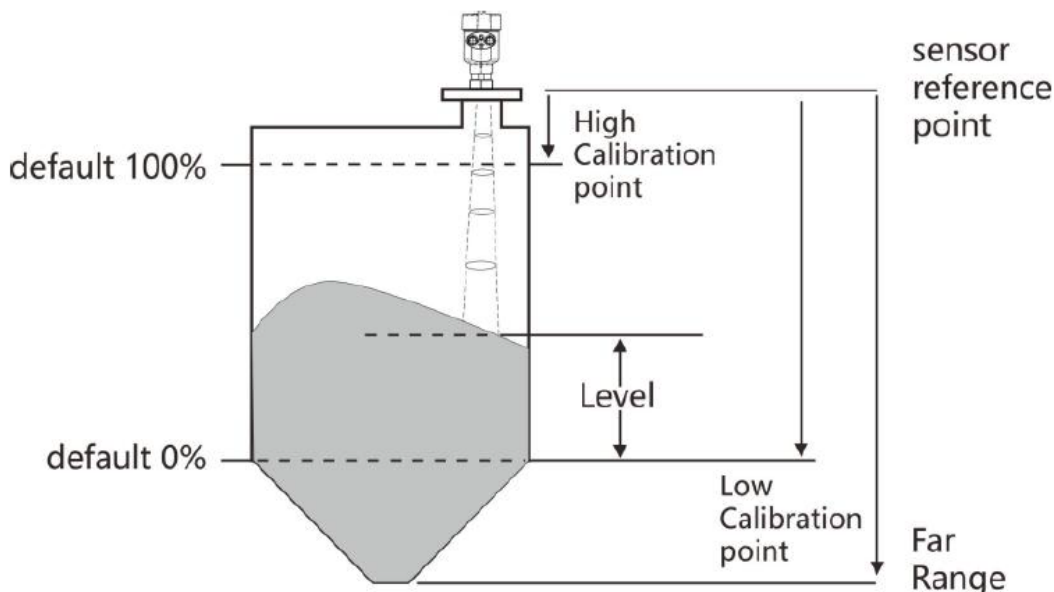
The Tracer Air™ 80GHz is precalibrated at our facility for easy installation. Some typical applications include aggressive, corrosive or non-corrosive liquid level monitoring, small tank or process vessel, bulk tote tanks and difficult measurement applications. FMCW Radar technology provides a smaller beam angel (3° or 8°) depending on configuration, than typical through air radar devices.

FEATURES & BENEFITS

- Small antenna size, non-contact radar, rugged design
- Pre-calibrated for easy installation and setup
- No moving parts with FMCW Radar Technology
- Measures solids or liquids with up to 393 ft. range
- Cost 20 to 30% less on average then other brands
- Ideal for difficult level measurement applications such as vapor, steam, pressure, change of temperature, dust and foam.
- High SNR, even in the case of fluctuations results in accurate performance
- High 80 GHz frequency, the best choice to measure solids and low dielectric media
- HART® 2-Wire System or 4-Wire RS-485 MODBUS
- Intrinsically Safe (Exia IIC T6 Ga)
- Economically Priced with quick lead-time.

80GHz TECHNOLOGY

The Tracer Air™ 80GHz radar level transmitter features through the air technology which emits narrow microwave pulses down the cone shaped antenna. The microwave signal comes in contact with the measured medium surface and reflects back to the antenna. The signal is transmitted to the electronic circuit and partly converts to level signals (as microwave featured with high propagation speed, it is almost instantaneous for the electromagnetic waves to reach the target and return to the receiver).

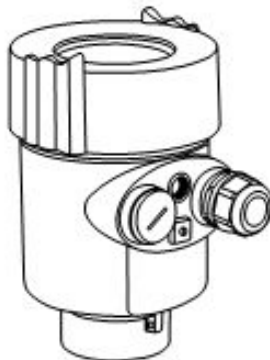
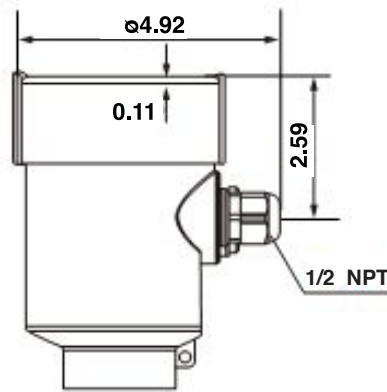
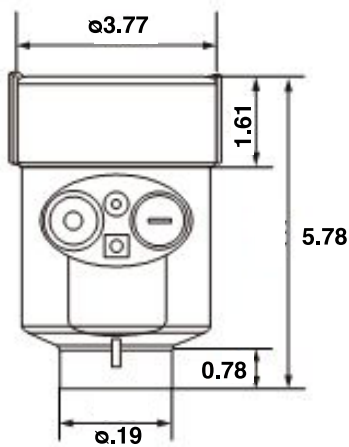


SPECIFICATIONS

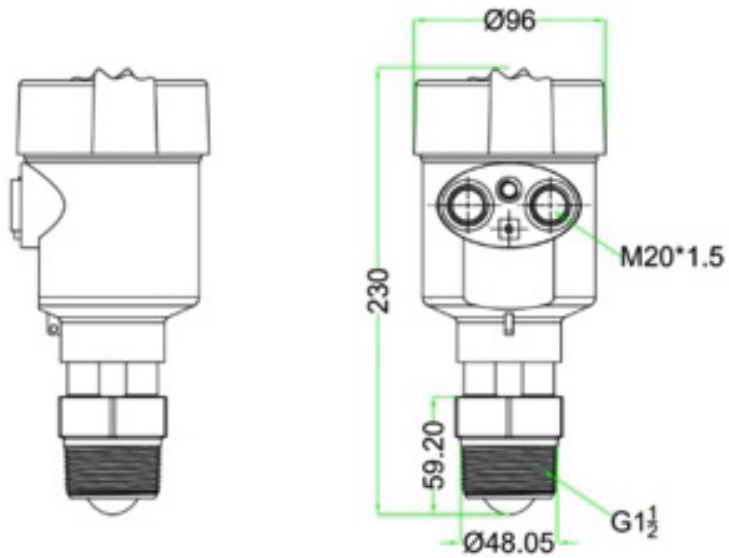
Measuring Range	Minimum Range: 0.25" Maximum Range: 398"	Process Pressure	Full Vacuum to 498 PSIG -0.1 ~ 3.0 Mpa
Process Connection	1½ NPT or ANSI or 3" NPT or ANSI Flange	Frequency Range	80GHz FMCW
Antenna Material	SS 304 and PP or PTFE	Signal Output	4-20mA / HART@(Two-wire / Four) RS485/ Modbus
Accuracy	±0.1in	Cable Entry	1/2 NPT
Application Temperature	-40°F up to 1,832°F (-40°C to 1,000°C)	Hazardous Location	Intrinsically safe (Exia IIC T6 Ga)

Specifications are subject to change without notice.

ENCLOSURE DIMENSIONS

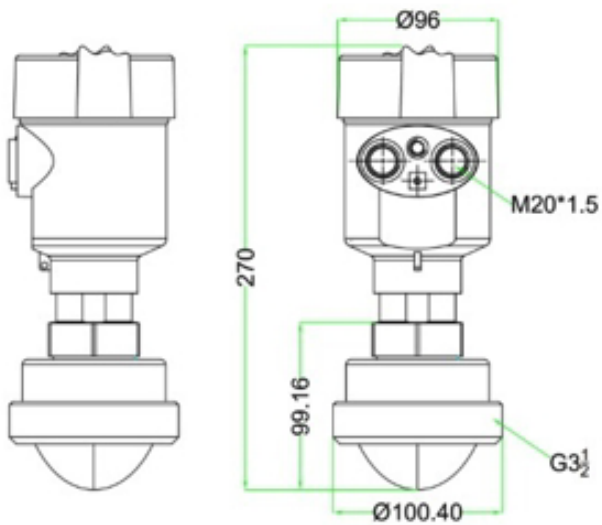


PTFE LENS - STAINLESS STEEL 1 1/2" ANTENNA DIMENSIONS (mm)



PTFE 3" ANTENNA DIMENSIONS (mm)

Dimensions of 3° beam angle:



Ordering Information

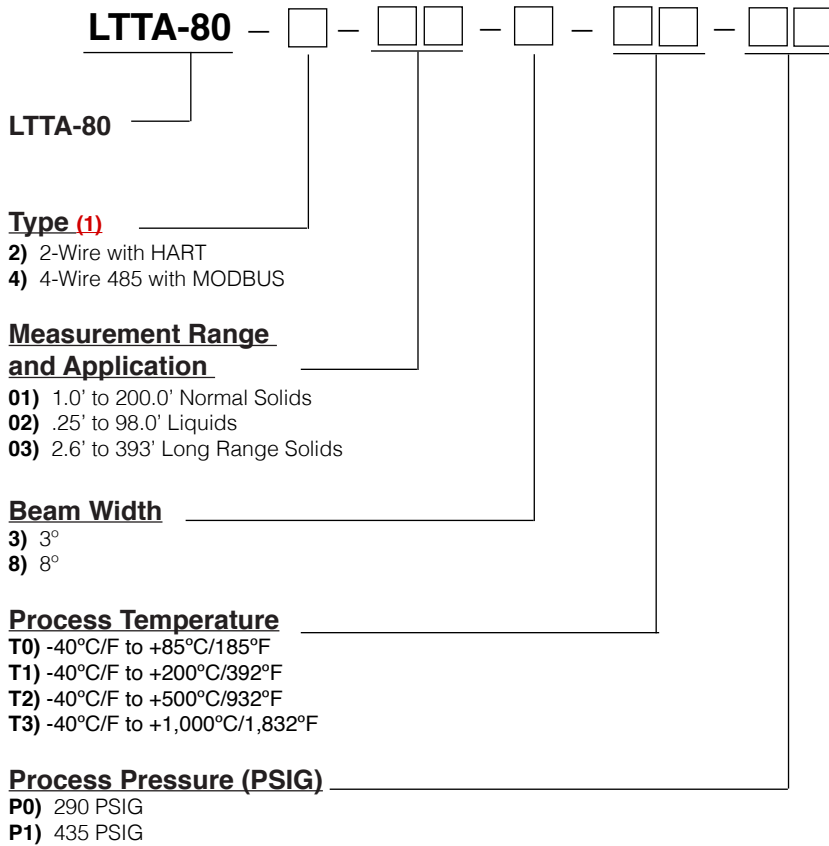
FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **877.356.5463**

Use the diagram below, working from left to right to construct your FLO-CORP Model Number.
Simply match the category number to the corresponding box number.

Example: **LTTA-80-2-01-3-T0-P0**

Tracer Air™ 80GHz Radar Level Transmitter with 2 -wire HART, 1' to 200' Normal Solids, 3° Beam Width, -40°F to 185°F Process Temperature, 290 PSIG Process Pressure



Ordering Notes:
(1) Select the best configuration based on your requirements