

Features

- Self Adjusting Tracking Radar
- Simple push-button calibration
- Output : 4 - 20 mA (2 Wire)
- Diagnostics & data logging software
- RS-485 MODBUS RTU (in four wire configuration)
- Programmable measuring range

Description

Electronet series ELTAR-20 Radar Level Transmitter is high frequency level measurement instrument with the maximum measuring distance upto 30 meters. The antenna is further optimized and the new-type microprocessor can perform higher rate of signal analysis and processing, making the instrument suitable for complex measurement conditions such as reactors and solid silos.



Technical Specifications

Electrical Connection	½" NPT (F) X 2, M20 X 1.5 (F)
Enclosure	Aluminum or Stainless Steel-94V0
Ingress Protection	NEMA4 (IP67) Type 4/4X
Installation Category	Class II
Temperature	1) PP lenses : -40 to 190°F (- 4 to 88°C) 2) PTFE Rod : -40 to 350°F (- 40 to 177°C)
Max. Pressure	3 lenses
Operation	Pulse Radar
Power Supply	1) 24V DC (+/- 10%) 2) 24V DC Two Wire Loop Powered
Accuracy	+/- 0.1% of max. range in lab using 4-20 mA current output +/-0.25% of max. range (typically in field)
Frequency	80 GHz
Transmitter Power	50 uW average
Calibration	Via communication port (required)
Diagnostics	Echo Profile via communication port
Antenna	Dielectric Rod PTFE Horn, SS-316 for very low dielectric (Optional) constant materials and short blanking
Local Indication Display Type	LCD Display
Probe MOC	1) PP / PTFE for probe type antenna 2) SS-316 for horn type antenna

ELTAR 20

THROUGH AIR RADAR LEVEL TRANSMITTER



Assembly Overview

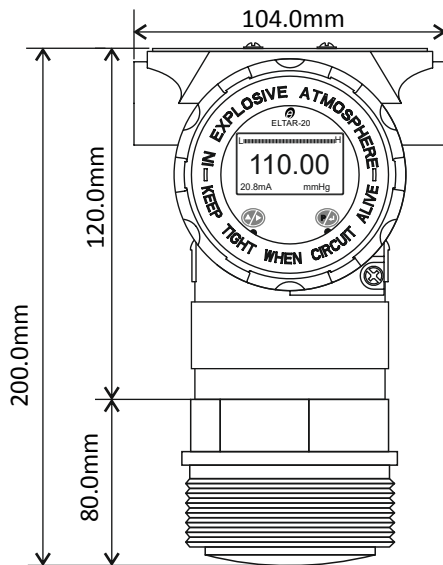


Fig.1 Front View

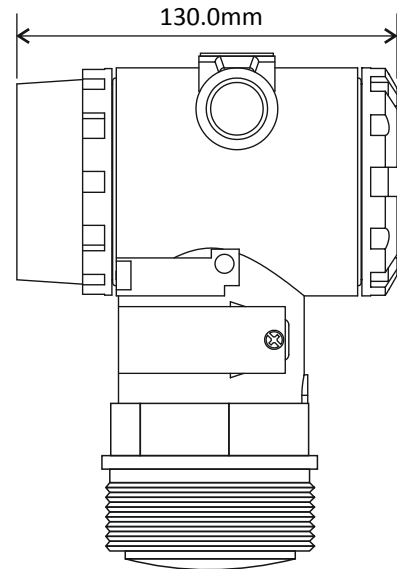


Fig.2 Side View

Ordering Information

Sample Order Code : ELTAR 20- A1-B1-C1-D1-E1-F1-G1-H1

Parameter	Code	Description
A	Measuring Range (Up To)	A1 6000 mm
		A2 12000 mm
		A3 15000 mm
		A4 20000 mm
		A5 30000 mm
B	Electronics Area Classification	B1 Field Mount Weather Proof IP-67
		B2 Flameproof (CMRI IIA IIB Certified)
C	Power Supply	C1 24V DC (+/- 10%)
		C2 24V DC Two Wire Loop Powered
D	MOC Electronics Enclosure	D1 Die Cast Aluminium
		D2 SS316

Parameter	Code	Description
E	Electrical Connection	E1 M 20 x 1.5 (F)
		E2 ½" NPT (F)
F	Local Indication	F1 With Local Indicator
		F2 Without Local Indicator
G	Output	G1 4 to 20 mA
		G2 4 to 20 mA with HART
H	Process Connection	H1 1½" BSP (M)
		H2 2" BSP (M)
		H3 2" Flanged SS-316
		H4 2" Triclamp
		H5 4" Flanged SS-316
		HY Other

Note : ■ Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
 ■ Accuracy defined at Lab Conditions.
 ■ For other requirement please consult factory.
 ■ This product is meant for laboratory/Process application only and not for custody transfer application.

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