

ELTAR 20

THROUGH AIR RADAR LEVEL TRANSMITTER



Features

- Self Adjusting Tracking Radar
- Simple push-button calibration
- Output : 4 - 20 mA / 20 - 4mA (Isolated on 4 Wire Model's only)
- Diagnostics & data logging software
- PLC Compatible (Modbus RTU)
- Two or Four Wire Operation
- Programmable

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

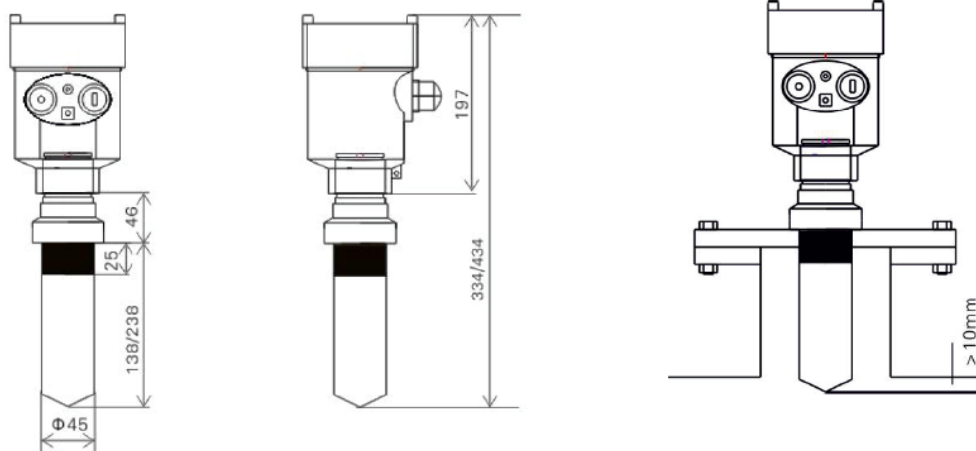
Electrical Connection	½" NPT (F) X 2, M20 X 1.5 (F)
Enclosure	Aluminum or Stainless Steel-94V0
Ingress Protection	NEMA4 (IP67) Type 4/4X
Installation Category	Class II
Temperature	1) PP Rod : -40 to 190°F (- 4 to 88°C) 2) PTFE Rod : -40 to 350°F (- 40 to 177°C)
Max. Pressure	3 Bar
Operation	Pulse Radar
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	26 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

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Assembly Overview



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
		A6	70000 mm
B	Electronics Area Classification	B1	Field Mount Weather Proof Ip67
		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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