

radar level transmitter**Not to be supplied in France, Germany and Great Britain****Contact level measurements for liquids and solids****Max rod length 3 m ; rope 30 m****Process pressure 40 bar****2/4 wires technology****Pulse microwave TDR****Display of alphanumeric level measurement and the curve of the echo signal**

It is a guided micro-wave sensor for liquids and bulk solids materials continuous measurement. Insensitive to environmental influences like dust and steam, it provides accurate and repetitive measurement values. It constitutes the solution for multiple level measurements. Suitable for application in silos or tanks, also in hard working conditions with high temperatures (200°C max.), with 1 ½ "G or 2"G thread and rope or rigid rod antenna.

TECHNICAL FEATURES**Housing / Antenna material**

aluminum / SS316L

Mechanical installation

threaded G 1½" A o G 2"

IP rating

IP67

Electrical connection

Terminals

Working temperature

-40° ÷ +250°C ; -40° ÷ +250°C

Pressure

-1÷40 bar

Power supply

24Vdc; 230Vac

Analog output

4÷20mA

Digital communication

HART; MODBUS

Measure range

Rod Ø10 max 3m; Rope Ø4mm max 5m; Rope Ø6mm max. 30m

Accuracy

±10mm

Resolution

1mm.

Calibration

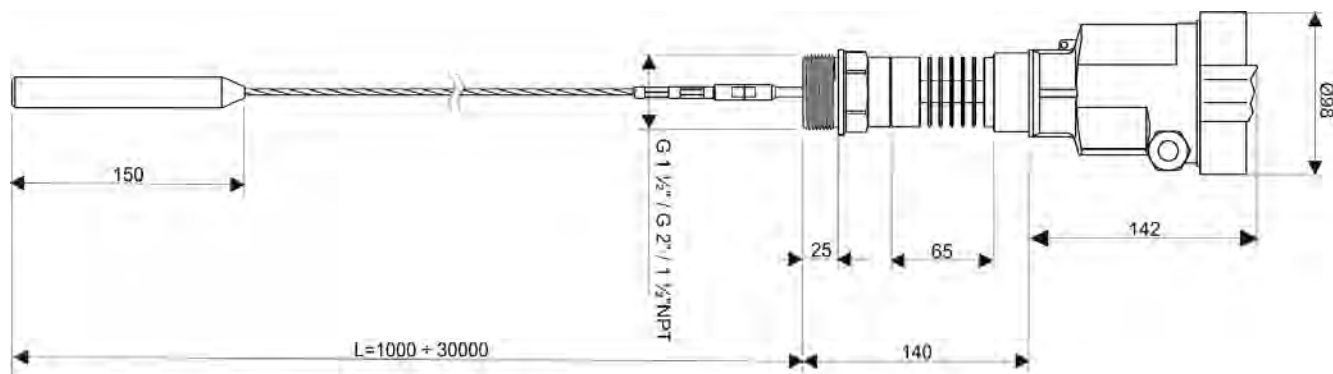
4 buttons or via HART

Warm up

5 minutes

Display

Plug-in display/keyboard 4 buttons matrix LCD



Guided microwave radar level transmitter

Microwaves pulse TDR

For liquids with high process temperature/pressure

Max. length: 3m rod - 30m rope and semi-flexible pipe

Accuracy: ± 10 mm

Process pressure: -1+40bar

Version	
P	Standard
Antenna shape / Material / Sealing	
A	Rope Ø4mm (up to 5m) or Rope Ø 6mm (over 5m) / SS316L / PTFE
B	Rod Ø10mm / SS316L / PTFE
C	Semi-flexible pipe Ø8mm / SS304 / PTFE
Process connection / Material	
GP	Thread G1" ½ with cooling fin / SS316L
KP	Thread G2" with cooling fin / SS316L
ZZ	Special
Seal / Process temperature	
A	Viton / -30 ÷ +150°C
B	Kalrez / -40 ÷ +250°C
Electronic preamplifier	
B	4+20mA HART (2-wire); 24Vdc
C	4+20mA HART (4wire); 24Vdc
D	4+20mA HART (4-wire); 230Vac
R	10+30 Vdc MODBUS RTU
Housing / Protection	
D	Aluminum with 2 chambers (for 4-wire versions) / IP67
G	SS316L / IP67
U	Aluminum with transparent cap / IP67
Z	Special
Cable entry	
M	M20x1,5
Keyboard/display programming module	
A	Yes
X	No
L= Electrode length, price each 100mm	
A	Rope Ø4/6mm / SS316L (max 30m)
B	Rod Ø10mm / SS316L (max 3m)
C	Semi-flexible pipe Ø8mm / SS304 (max 30m)