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 16 bar

2/4 wires technology

Pulse microwave TDR

Display of alphanumeric level measurement and the curve of the echo signal

It constitutes the solution for multiple level measurements. Suitable for application in silos or tanks, also in hard working conditions. Suitable for level measurement in tanks with flanged connection. It is available with rigid rod antenna.

TECHNICAL FEATURES

Housing / Antenna material
aluminum / SS316L
Mechanical installation
Flange DN50; 80; 100; 150
IP rating
IP67
Electrical connection
Terminals
Working temperature
-40° ÷ +150°C
Pressure
-1÷16 bar
Power supply
24Vdc; 230Vac
Analog output
4÷20mA

Digital communication
HART; MODBUS
Measure range
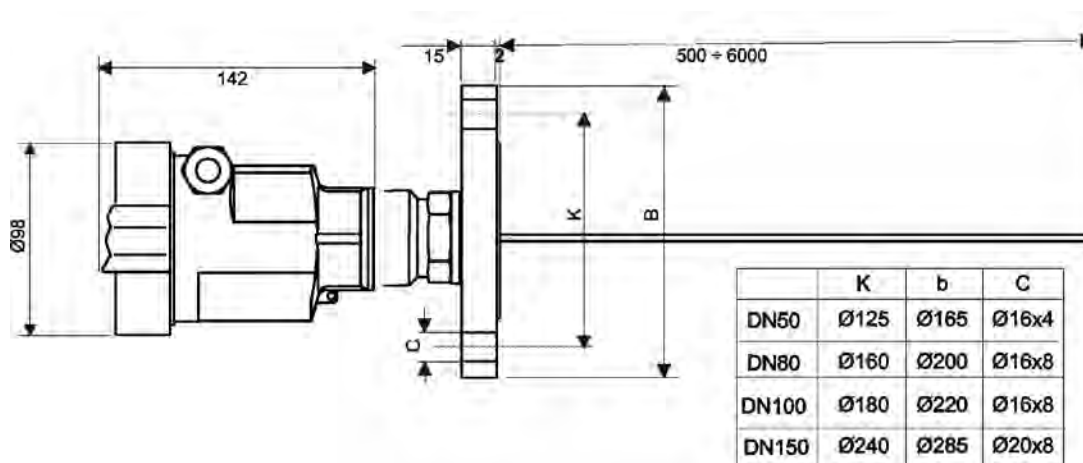rod 3m / rope 30 m
Accuracy
±10mm
Resolution
1mm.
Calibraton
4 buttons or via HART
Warm up
5 minutes
Display
Plug-in display/keyboard 4 buttons matrix LCD

	K	b	C
DN50	Ø125	Ø165	Ø16x4
DN80	Ø160	Ø200	Ø16x8
DN100	Ø180	Ø220	Ø16x8
DN150	Ø240	Ø285	Ø20x8

Guided microwave radar level transmitter

Microwaves pulse TDR
For liquids and bulk solids measurement
Max. length: 30m
Accuracy: ±10mm
Process pressure: -1÷16bar

Version	
P	Standard

Antenna shape / Material / Sealing	
A	Rope Ø6mm / SS316L with PTFE coating / PTFE

Process connection / Material	
FA	Flange DN50 PN16 / SS316L (GB/T9119-2000)
FB	Flange DN80 PN16 / SS316L (GB/T9119-2000)
FC	Flange DN100 PN16 / SS316L (GB/T9119-2000)
FD	Flange DN150 PN16 / SS316L (GB/T9119-2000)
ZZ	Special

Seal / Process temperature	
A	Viton / -40÷150°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	SS316 / IP67
U	Aluminum with transparent cap / IP67
Z	Special

Cable entry	
M	M20x1,5

Keyboard/display programming module	
A	Yes
X	No

L= length, price each 100mm	
A	Rope Ø6mm / SS316L with PTFE coating (max 30m)