

LRG5* GUIDED WAVE LEVEL TRANSMITTERS

The series LRG5* transmitters, allow you to perform continuous level measurements of powder, solids of variable consistency and liquid. Dust, vapors and temperature changes do not interfere with the measurement.

Rope probes for measurement of bulk solids up to 30m

Rod probes in particular for the measurement of liquids up to 6m

Coaxial probes for liquid products up to 6m

Configuration with guided menu by alphanumeric display


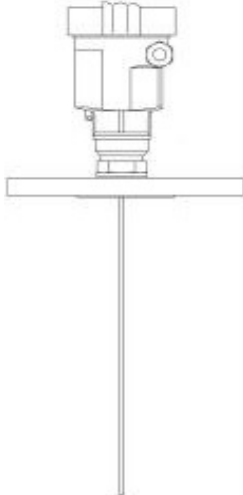

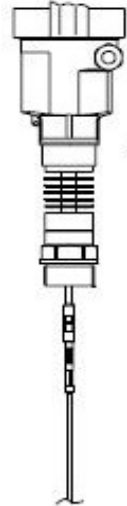
Analogic output 4÷20mA

HART communication protocol (on request)

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

Storage system and detection of false signals



Version	LRG51	LRG52	LRG53	LRG54
Probe type	4/6 rope - 10 rod mm	10 mm rod	28 mm coaxial	4/6 rope - 10 rod mm
				
Applications	level measurement of liquids and solids	level measurement of liquids and solids	level measurement of liquids with low dielectric constant	level measurement of liquids wit high temperature and pressure process
Range	4 mm rope =10 m; 6 mm rope = 30 m; 10 mm rod = 3 m	3 m	3 m	4 mm rope =10 m; 6 mm rope = 30 m; 10 mm rod = 3 m
Accuracy	+/- 10 mm			
Process connection SS316L	1"1/2 G 1"1/2 NPT 2" G	DN50 PN16 DN80 PN16 DN100 PN16 DN 150 PN16	1"1/2 G 2" G	1"1/2 G 1"1/2 NPT 2" G
Construction	SS 316L / PTFE			
Temperature	-40...+150°C			-40...+200°C
Pressure	-1...40 bar			
Housing	Alluminum			
Gasket	Viton -30...+130°C / Kalrez -40...+150°C			
Protection	IP67			



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TECHNICAL SPECIFICATIONS

Supply:
 2 wires version:
 standard: 15...36 Vdc
 Consumption: max 22.5 mA 0.8 W
 Ripple: <100Hz, Uss>1V; 100Hz...100KHz, Uss <10 mV

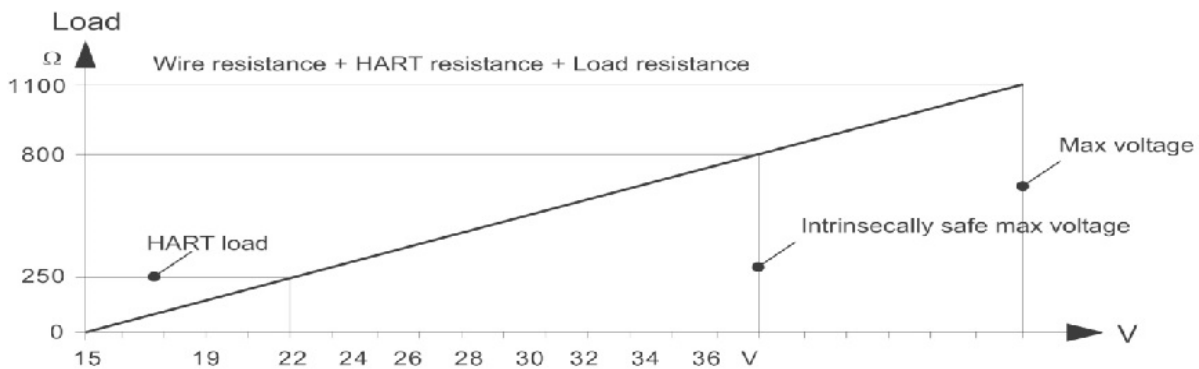
4 wires version:
 standard: 20...72Vdc / 20...250 Vac

4 wires version Ex consumption: Cenelec 24Vdc +/- 10%; 230Vac +/-10% <1W

Output: 4...20 mA / HART
 Resolution: 1.6 microA
 Signal fault fixed: 20.5 mA; 22 mA; 3.8 mA

Load: 2 wire version see diagram
 4 wire version max 500 ohm

Integration time: 0...99s, programmable
 Cable connection: 2xM20x1,5
 Connecting terminals: max. cable section 2.5mm²



2 wires load resistance diagram



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