



Description & Features:

- Designed for continuous level measurement in water or wastewater (thin film)
- Good linearity for long term stability
- Available ranges up to 300 psi
- Wide range of mechanical and electrical connections
- $\pm 0.5\%$ accuracy
- NEMA 6P / IP68. Approved for outdoor use
- Customizable
- 5 year warranty

Applications:

- Appropriate for all level and depth measurement applications including open tanks, ground water monitoring, sewage and water treatment facilities



Specifications

Output Signal	Standard 2-wire: 4-20 mA / $V_s = 8-32$ Vdc Optional 3-wire: 0-20 mA / $V_s = 14-30$ Vdc 0-10 V / $V_s = 14-30$ Vdc
Accuracy	$\leq \pm 0.5\%$ FSO
Permissible Load	Current 2-wire: $R_{max} = [(V_s - V_s \text{ min}) / 0.02]$ Ohm Current 3-wire: $R_{max} = 500$ Ohm Voltage 3-wire: $R_{min} = 10$ kOhm
Influence Effects	Supply: 0.05% FSO / 10 V Load: 0.05% FSO / kOhm
Response Time	≤ 10 ms
Thermal Error	$\leq \pm 0.2\%$ FSO / 10K
Permissible Temperatures	Medium: 14°F to 158°F (-10°C to 70°C) Storage: -13°F to 158°F (-25°C to 70°C)
Short Circuit Protection	Permanent
Reverse Polarity Protection	No damage. No function.
Electromagnetic Protection	Emission and immunity according to EN 61326
Connecting Cables	Cable capacitance: Signal line/shield and signal line/signal line: 160 pF/m Cable inductance: Signal line/shield and signal line/signal line: 1 μ H/m
Electrical Connection	Cable with sheath material: PVC grey, PUR black, FEP black
Pollution Degree	4, electrical equipment for outdoor use
Housing	316L SS
Seals	FKM / EPDM
Diaphragm	Ceramic Al_2O_3 96%
Protection Cap	POM
Current Consumption	Current: 25 mA max Voltage: 7 mA max
Weight	250 g (without cable)
Enclosure Rating	NEMA 6P / IP68
CE Conformity	EMC directive: 2004/108/EC

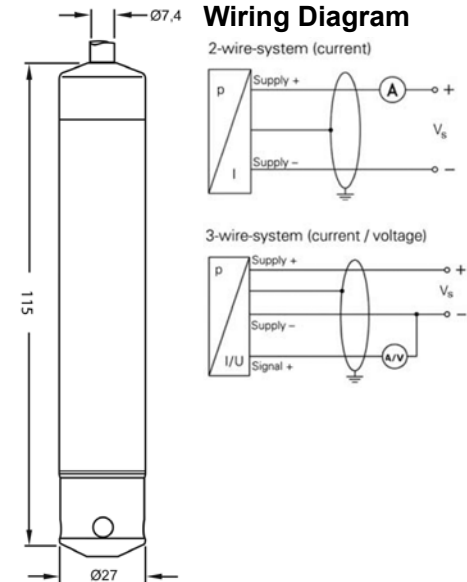
Order Codes

Range	Over-pressure	Burst Pressure	Code
0/8 psi	9 psi	58 psi	LM7008
0/15 psi	29 psi	58 psi	LM7015
0/20 psi	58 psi	73 psi	LM7020
0/35 psi	58 psi	73 psi	LM7035
0/60 psi	145 psi	174 psi	LM7060
0/100 psi	145 psi	174 psi	LM7100
0/160 psi	290 psi	363 psi	LM7160
0/200 psi	580 psi	725 psi	LM7200
0/300 psi	580 psi	725 psi	LM7300

Pin Configuration

Electrical Connection	Cable Colours (DIN 47100)
Supply +	White
Supply -	Brown
Signal + (only 3-wire)	Green
Shield	Yellow/green

Wiring Diagram



Note: Measurements are in mm. Cable not included (specify type and length)