

## LV802 Level Transmitter

### For Aggressive Media Applications

#### Features

- Measuring ranges from 0.5mH<sub>2</sub>O to 200mH<sub>2</sub>O
- Accuracy: ±0.25%FSO or 0.5%FSO
- Calibrated and temperature compensated
- PTFE(option PVDF) housing construction
- Ceramic capacitance pressure sensor design
- Output 4~20mA, 0~10V, 0.5~4.5V, RS485 and others

#### Applications

- Level measurement
- sewage treatment
- Chemical industry
- level measurement in open tanks with aggressive liquids as acids and lye



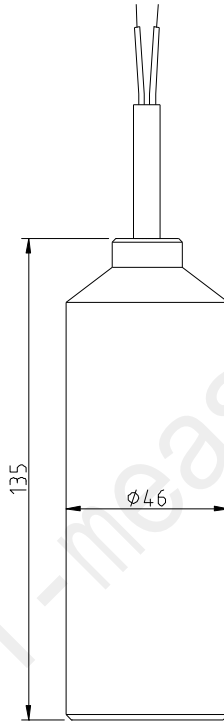
#### Performance Specifications

Parameter	Value					Notes
Pressure Range	0-0.5,...,200 mH <sub>2</sub> O					
Pressure Type	gauge(G), absolute (A)					
Overpressure	150 %FS					
Accuracy	±0.25 %FS(Typ.)		±0.5 %FS(Max.)			2
Temp Coeff - Zero	±0.02 %FS/°C(Typ.)		±0.03 %FS/°C(Max.)			@25°C
Temp Coeff - Span	±0.02 %FS/°C(Typ.)		±0.03 %FS/°C(Max.)			@25°C
Long-Term Stability	±0.2 %FS/year(Typ.)		±0.3 %FS/year(Max.)			
Output Signal	4...20mA	RS485	1...5Vdc	0...10Vdc	0.5...4.5Vdc	
Power Supply(Vs)	12...36Vdc	12...36Vdc	12...36Vdc	15...36Vdc	5Vdc	
Load Resistance(RL)	For current output: $RL \leq (Vs-15)/0.02 \Omega$ For voltage output: $RL \geq 10 k\Omega$					
Response time	≤2 ms					
Vibration	10g(20-2000Hz)					
Shock	100g(10ms)					
Insulation Resistance	100 MΩ/50 Vdc					
Compensated Temperature Range	-10...+70 °C					
Operating Temperature Range	-20...+70°C					
Storage Temperature Range	-40...+125 °C					
Housing	PTFE(option PVDF)					
Diaphragm	ceramic (Al <sub>2</sub> O <sub>3</sub> )					
Seal Ring	Viton					
Protection	IP68					
Net Weight	~415 g					

#### Notes

1. All values measured at 25°C(77°F)
2. Including non-linearity, hysteresis and repeatability.
- 3.The listed specifications and dimensions are subject to change without prior notice.

**Dimensions (in mm)**



**Ordering Information**

Model	Range	Range	Output Signal	Accuracy	Cable	Cable Length	Note
LV802	0/0.5mHzO	(G) gauge	(42) 4...20 mA	(02) 0.25 %FS	(P): PUR	(X)m: X= cable length	
	0/1mHzO	(A) absolute	(05) 0...5 Vdc	(05) 0.5 %FS	(PF) PTEF		
	0/2mHzO		(15) 1...5Vdc				
	0/3mHzO		(10) 0...10 Vdc				
	0/4mHzO		(45) 0.5...4.5 Vdc				
...							
	0/200mHzO						
	Customized range						

**Ordering Code**

LV802	0/4mHzO	G	42	02	PF	5m	
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LV802-0/4mHzO-G-42-02-PF-5m