

## Hydrostatic Level Transmitter MLV832



### Product Overview

MLV832 is made from high-quality ceramic pressure sensor. The pressure sensor is packaged in stainless steel housing. The MLV832 Hydrostatic level transmitter is precision engineered to fit most level measurement. The water-proof cable connects with housing sealed, with vented tube putting in, the transmitter could be used in the water or liquid in a long time. Integrated construction and standard output signal could provide easy operation and good automatic control.

### Applications

- Sewer/Sewage Level measurement
- Hydrostatic monitoring in rivers and sea
- Water/Wastewater treatment

### Performance Specifications

<b>General</b>	
Pressure Range	0-0.5...200 mH2O
Overpressure	1.5xFS
<b>Environmental</b>	
Operating Temp. Range	-20 to +70°C
Compensated Temp. Range	-10 to 70°C
Vibration	10 g (20 to 2000Hz)
Shock	100 g (10ms)
Cycles	10x10 <sup>6</sup> cycles
<b>Electrical @25°C(77°F)</b>	
Output Signal	4...20 mA, 0.5...4.5 VDC, RS485, Hart protocol
Power Supply	12...36VDC, 5VDC (only for 0.5...4.5 VDC)
Load Resistance	<(Vs-12)/0.02A (For current output)
Insulation Resistance	100 MΩ@50VDC
<b>Physical Specifications</b>	
Housing	304 stainless steel, option 316SS
Diaphragm	Ceramic 99% Al2O3
Cable	PUR, PE, PTFE
Oil Filling	NA
Protection	IP68
Net Weight	Approx.240g
<b>Performance</b>	
Accuracy <sup>2</sup>	±0.25[typ.] % FSO
Temp. Coeff– Zero <sup>3</sup>	±0.75[typ.] % FSO
Temp. Coeff– Span <sup>3</sup>	±0.75[typ.] % FSO
Long-Term Stability	±0.3[typ.] % FSO

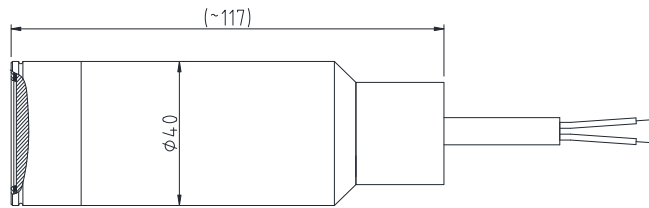
### Notes

1. All values measured at 25°C(77°F)
2. Including non-linearity, hysteresis and repeatability.
3. 0°C to 70°C (32°F to 158°F) with reference to 25°C (77°F).

The listed specifications and dimensions are subject to change without prior notice

## Dimensions

### Type MLV832 -A



## Ordering Information

MLV	Model								
	A	Type A (See the dimension drawing)							
		<b>Pressure range</b>							
	N00	0.5mH <sub>2</sub> O	000	5mH <sub>2</sub> O	003	30mH <sub>2</sub> O			
	000	1mH <sub>2</sub> O	000	6mH <sub>2</sub> O	004	40mH <sub>2</sub> O			
	000	2mH <sub>2</sub> O	000	8mH <sub>2</sub> O	005	50mH <sub>2</sub> O			
	000	3mH <sub>2</sub> O	001	10mH <sub>2</sub> O	010	100mH <sub>2</sub> O			
	000	4mH <sub>2</sub> O	001	15mH <sub>2</sub> O	020	200mH <sub>2</sub> O			
	999	Customer							
		<b>Cable length</b>							
	[x]	x=cable length							
		<b>Output Signal</b>							
	42	4 ... 20 mA (standard)							
	45	0.5...4.5 VDC (ratiometric)							
	R4	RS485 Modbus RTU							
	R5	RS485 Modbus RTU + 4...20mA (Need external 2088 cast aluminum housing)							
	HR	4...20 mA + HART communication							
		<b>Accuracy</b>							
	01	0.1 %FS							
	02	0.25 %FS							
	05	0.5 %FS (standard)							
	99	Customer							
		<b>Electrical Connection</b>							
	1	PUR cable (standard)							
	2	PE cable							
	3	PTFE cable							
		<b>Housing</b>							
	0	304 Stainless steel							
	1	316 Stainless steel							
	2	316L Stainless steel							
	3	Titanium alloy							
		<b>Display</b>							
	0	Without							
	1	LCD display							
		<b>Customized specifications</b>							
<b>MLV</b>	<b>A</b>	<b>000</b>	<b>6m</b>	<b>HR</b>	<b>02</b>	<b>1</b>	<b>0</b>	<b>C</b>	<b>Order code</b>