

ACM260(WTL01) Submersible Level Transmitter



- Piezoresistive silicon chip employed
- Probe insertion measurement mode, simple and convenient installation
- For liquid level measurement
- Multiple protection structure design, high protection ability
- LCD option
- Corrosion resistant stainless steel adopted, applicable to various industry fields

ACM260(WTL01) Submersible Level Transmitter measures static pressure of the liquid proportional to the level depth using high performance piezoresistive silicon chip as the measuring element. The result is converted to standard current or voltage signal output through signal conditioning circuit, establishing the linear corresponding relation between the output signal and liquid depth to complete the measurement of the liquid depth. The product has advantages of high precision and small volume. Submerge it directly into liquid, the height between the end of the transmitter to the liquid level is measured easily. The product has passed long-term aging and stability screening with stable and reliable performance and can be used in harsh outdoor environment. It is applicable to the measurement and control of the liquid level in the petroleum, chemical industry, power plant, urban water supply and hydrological exploration fields.

Pressure range	
Pressure range	0.5m, 1m, 2m, 5m, 10m, 20m, 50m, 100m, 200m H ₂ O
Overpressure	150%F.S.
Output signal	
Output	4 to 20mA 1 to 5V 0 to 5V
Specification	
Accuracy (linearity, repeatability and hysteresis)	±0.5%F.S.
Excitation	24VDC 12VDC
Operating temp.	-20°C - 85°C
Medium temp.	-20°C - 100°C
Storage temp.	-40°C - 125°C
Compensated temp.	0°C - 60°C (0m - 10m H ₂ O) -10°C - 70°C (10m - 200m H ₂ O)
Zero temp. coefficient	±1.5%F.S.max.(within compensated temp.)
Span temp. coefficient	±1.5%F.S.max.(within compensated temp.)
Mechanical vibration	20g(20 to 5000HZ)
Shock	100g(11ms)
Insulation	200MΩ/250VDC
Response time	≤1ms(up to 90%FS)
Long term stability	≤0.2%F.S.S/year
Protection	IP68
Material	Low copper aluminum alloy for junction box, stainless steel for probe; Polyurethane wire for cable
Medium compatibility	All kinds of media compatible with 304 stainless steel

Type	J1: 2088	J2: 2088 with display	J3: Cable outlet
<p>Dimension in mm</p>			
<p>Connection mode</p>	<p>Current output</p>	<p>Voltage output</p>	<ol style="list-style-type: none"> Red: +Excitation Green: Current output Red: +Excitation Yellow: Voltage output Green: Ground

How to order

ACM260(WTL01)

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Pressure range

Please write directly

Output signal

B1: 4 to 20mA

B2: 1 to 5V

B3: 0 to 5V

Excitation

V1: 24V DC

V2: 12V DC

Electrical connection

J1: 2088

J2: 2088 with display

J3: cable outlet

Ex-proof

E1: Exia II CT6

(for 2088 housing only)