

ADAFLOW



**Submersible level
transmitter P260-M2**

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Submersible level transmitter P260-M2

The submersible Level Transmitter is designed for difficult level sensing applications where sludge, slurry, or turbulence may be present. The transmitter provide continuous liquid level measurement by sensing the hydrostatic pressure produced by the height of liquid above the sensor and providing a 4-20 mA output signal compatible with PLC, panel meter, data logger, and other electronic equipment. The transmitter consists of a sensing element, encased in a 316 SS housing with cage and large diameter 316 SS diaphragm seal. The sensor prevents moisture intrusion, and performance well even when the assembly is buried in a layer of sludge or slurry.

Features

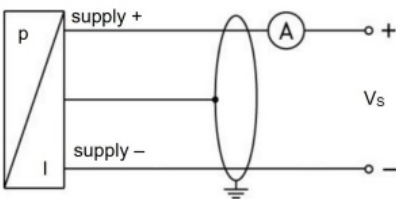
- Non-clogging and damage resistant to floating solids
- Durable 316 SS construction for reliable, long life in harsh environments
- 1/2 inch NPT threaded connection, allows the unit to be installed in a pipe/conduit
- Diaphragm is protected from physical damage and turbulence
- Added weight helps hold transmitter in place
- Excellent chemical compatibility for wide application use

Applications

- Wastewater
- Wet Wells
- Oil tanks
- Sumps
- Reservoirs
- Sludge, slurry or turbulence
- Chemical storage tanks
- Lift station monitoring
- Liquid level in vented tank
- Landfill leachate monitoring
- Dewatering
- Pump control

Wiring diagrams

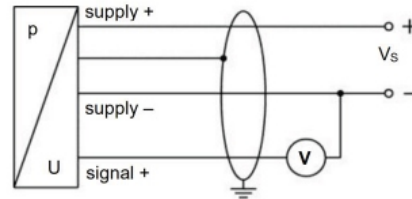
2-wire-system (current)



Current output:

Red: 24V +
Green: Current +
Black: GND

3-wire-system (voltage)



Voltage output:

Red: 24V +
Green: 24V -
Yellow: Voltage +
Black: GND

RS485 output:

Red: 24V +
Green: 24V -
Yellow: 485A
Blue: 485B
Black: GND

Touch the sensitivity...

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Parameter

Relative pressure

bar	0...0.25	0...0.4	0...0.6	0...1	0...1.6	0...2.5	0...4	0...6	0...10
mH2O	0...2.5	0...4	0...6	0...10	0...16	0...25	0...40	0...60	0...100
psi	0...3.6	0...5.8	0...7.8	0...14.5	0...23.2	0...36.2	0...58	0...87	0...145

The given measuring ranges are also available in mbar, kPa and MPa.

Medium	Compatible liquids
Measure range	0m-0.5m-100m
Overload pressure	≤200%FS
Pressure type	G (surface pressure)
Accuracy	0.5%
Stability	±0.2%FS/Year
Zero temperature drift	±0.03%FS/°C
Sensitivity drift	±0.03%FS/°C
Temp compensation	0°C-50°C, -10°C-60°C
Medium temperature	-30°C-65°C
Power supply	12VDC-30VDC
Signal output	4mA-20mA,0V-5V(Customized)
Load Resistance	Current type: $\leq (U-12) / 0.02(\Omega)$
Ingress protection	IP68

Electrical connection

Cable lengths

Meter (m)	1.5	3	5	10	15	20	25	30	40	50	60	80	100
Feet (ft)	5	10	20	30	40	50							

Other cable lengths on request

Touch the sensitivity...

