

SM25K07 Level Pressure Sensor

Description

The SM25K07 liquid level pressure sensor (transmitter) is manufactured using diffusion silicon material through special processes and laser trimming. It contains high-performance signal conditioning circuits and unique sealing technology, ensuring long-term stable operation underwater and in other liquids. This sensor not only features automatic zero-point correction and full-scale linear adjustment functions but also incorporates active nonlinear correction and frequency response shaping technology, ensuring high measurement accuracy. The use of hollow cable for signal transmission eliminates the influence of atmospheric pressure changes on measurement accuracy. It is particularly suitable for applications in petroleum, chemical, water conservancy and hydropower, urban water supply, hydrological exploration, metallurgy and mining industries.

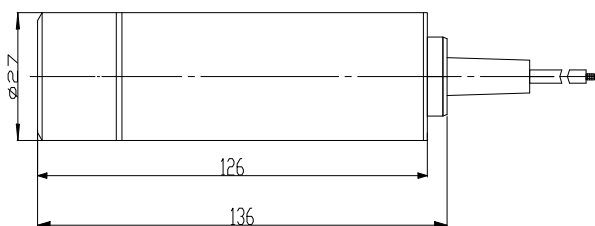
Characteristics:

- Automatic zero-point calibration and full-scale linear adjustment functions.
- Active nonlinear correction and frequency response shaping technology.



Dimensions

(In mm. 1mm=0.03937 inches)





Specification :

Measuring range	0-5 m water column (0-0.04903Mpa)	Accuracy	0.5 grade
Output signal	4-20mA (zero and range can be externally calibrated)	levels of protection	IP68
Stability	$\pm 0.25\%F \cdot S/\text{year}$	Temperature characteristic	$-20\sim+80^{\circ}\text{C} \quad \pm 0.01\% F \cdot S/^{\circ}\text{C}$
Working temperature	$-20\sim+60^{\circ}\text{C}$	Working voltage	DC12.5V-30V