

ADCON LEV1 Level Sensor

The LEV1 has been designed to meet the need for an economical yet highly accurate water level sensor.

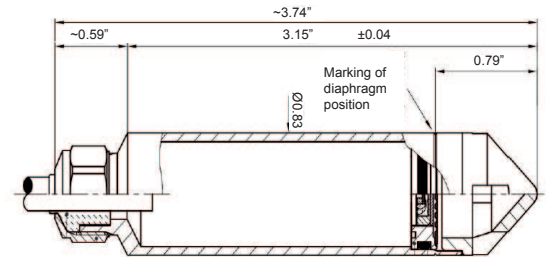
The LEV1 employs a piezo-resistive sensor element which is protected behind a robust nose cone. On board temperature compensation and linearization combine to give the unit an overall accuracy of 0.1%, including all potential errors.

The sensor boasts very low power consumption, which makes it ideal for use with Adcon's solar powered RTUs. The LEV1 is fitted with a vented cable, available in lengths from 15 to 150ft, and a wiring box with pressure compensation vent. The cable terminates in a 7pin Binder connector for easy connection to an Adcon RTU.



Applications

- Ground water level
- Surface water level
- Tank and reservoir level



Technical data

Dimensions	3.74" x 0.83" Ø	Measuring ranges	1 / 3 / 10 / 30 bar
Weight (without cable)	5.30 oz.	Overpressure	3 / 7 / 20 / 60 bar respectively
Protection class	IP-68, iceproof	Long Term Stability	Range ≤ 2 bar: 1mbar Range > 2 bar: 0.1% FS
Temperature range	-40°F ... +176°F	Output signal	0.1... 2.5VDC
Compensated temperature range	32°F ... 176°F	Power Supply	3.3V ... 12Vcc @ 1mA
Material in contact with media	Stainless steel 316L (DIN 1.4435) / Viton / PE	Pressure relief box	Aluminum, vented
Cable	Polyethylene (PE), vented	CE-Conformity	EN 50081-2, EN 50082-2
Connector	7-pin M9 male Binder connector	Ordering Information	Please specify pressure range and cable length when ordering!
Measuring method	piezoresistive	200.733.119	Adcon LEV1 with 49ft. of cable
Accuracy overall	0.1% (32°F ... 176°F°C)	200.800.031	Sensor cable vented, per meter