

ADCON LEV1 Level Sensor

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

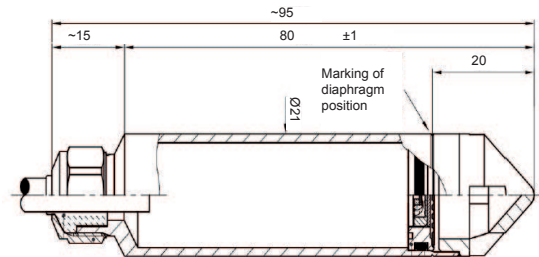
The LEV1 employs a piezo-resistive sensor element which is protected behind a robust nose cone. On board temperature compensation and linearization combine to give the unit an overall accuracy of 0.1%, including all potential errors.

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 5 to 50m, 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	95mm x 21mm Ø	Measuring ranges	1 / 3 / 10 / 30 bar
Weight (without cable)	150 g	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°C ... +80°C	Output signal	0.1... 2.5VDC
Compensated temperature range	0 ... 80°C	Power Supply	3.5V ... 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	piezo-resistive	200.733.119	Adcon LEV1 with 15m of cable
Accuracy overall	0.1% (0...80°C)	200.800.031	Sensor cable vented, per meter