

ADCON LEV2 SDI-12 Level Sensor

LEV2 has been designed to meet the need for an economical yet highly accurate water level sensor that can also measure and output water temperature through a digital SDI-12 interface.

LEV2 employs a piezo-resistive pressure sensor, well protected behind a robust nose cone. On-board temperature compensation and linearization combine to give the unit an overall accuracy of 0,1% FS, including all potential errors. Temperature is measured by a pt1000 sensor.

The sensor boasts very low power consumption, which makes it ideal for use with Adcon's solar powered RTUs. The LEV2 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 any Adcon RTU with an on-board SDI-12 port.



Applications

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

Technical data

Dimensions	95mm x 21mm Ø	Measuring ranges	1 / 3 / 10 bar
Weight (w/out cable)	200 g	Overpressure	3 / 7 / 20 bar respectively
Protection class	IP-68, iceproof	Long Term Stability	Range ≤ 1 bar: 1mbar Range > 1 bar: 0,1% FS
Temperature range	-20 ... +80°C	Output signal	SDI-12
Compensated temperature range	0 ... 50°C	Power Supply	5,6V ... 32Vcc @ <3mA
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 methods	Level: piezo-resistive Temperature: pt1000	200.733.134	Adcon LEV2 1bar, 15m of cable
Total accuracy	Level: 0,1%FS (0...50°C) Temperature: ± 0,1°C	200.733.135	Adcon LEV2 3bar, 40m of cable
		200.800.031	Sensor cable vented, per meter

