



NivuLevel 150

Stand-alone level measurement system
for use at measurement sites
without mains power

ELECTRONICS

ACOUSTIC

WEIGHT

OVERLOADING
SAFETY SYSTEMS

VALVES

TEMPERATURE

DETECT
A FIRE®

FLOW

DENSITY

INTERFACE

PRESSURE

LEVEL



- Self-sufficient level measurement system
- Internal data memory for approx. 1.000.000 readings
- For use in ATEX zone 1
- Event control
- Acquisition of level and temperature readings
- Easy replacement of batteries by customer

NivuLevel 150 is a self-sufficient level measurement system for use on measurement sites without public power supply.

Due to very low energy consumption the system provides very long lifetimes. System programming and data readout can be carried out very easy via USB interface.

The NivuLevel 150 measurement system acquires the parameters level and temperature. It consists of a data recording module and a hydrostatic submersible pressure probe.

Depending on the memory cycle selected, the system lifetime is up to 5 years.

The unit is powered using standard batteries (Type AA) which can be replaced by the user on site.

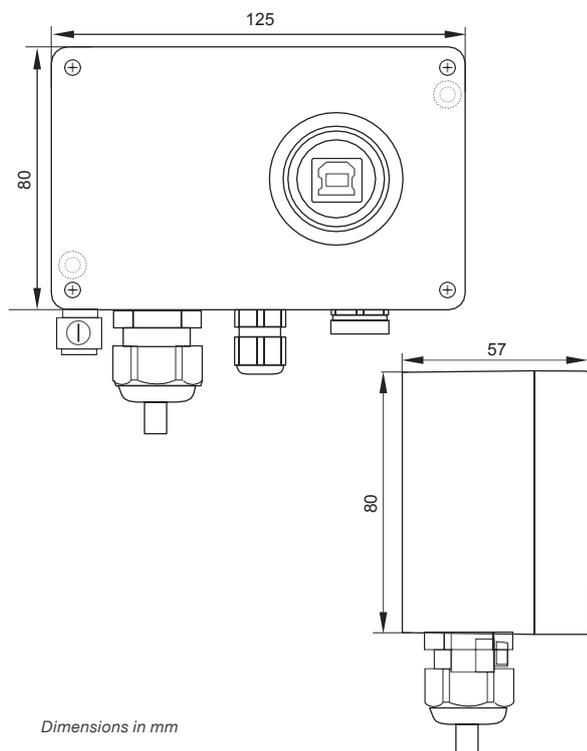
This ensures efficient and economical operation over many years. Recorded data are saved in an internal memory and can be read out using the USB interface.

The capacity of the internal memory is approx. 1.000.000 readings. Once provided as CSV files, the readings can be processed further quickly and easily.

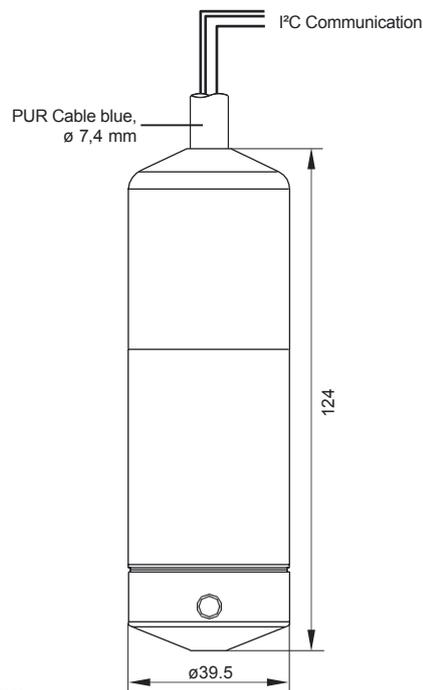
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Technical Specifications

NivuLevel 150 data acquisition module



NivuBar I²C submersible probe



LEVEL MEASUREMENT SYSTEM NIVULEVEL 150 DATA RECORDING MODULE

Power supply	4.5 Vdc (3x batteries type AA)
Battery life	with approx. 60 measurements/day (every 25 min.) approx. 5 years
Enclosure	metal/plastic
Weight	approx. 500 g (without level probe)
Protection	IP66
Operating temperature	-10°C to +55°C
Storage temperature	-20°C to +85°C
Max. humidity	80%, non-condensing
Display	none
Accuracy	0,25% FSO valid for pressure probe
Input interface	1 x I ² C (pressure probe)
Output interface	1 x USB (FDTI chip)
Data memory	internal SD card approx. 1.000.000 readings (level/temp.)
Storage cycle	configurable from 1/min up to 1/day
Data transmission/ programming	via USB cable and PC software
Data format	CSV

SUBMERSIBLE PROBE (level/temperature)

Connection cable	Polyurethane, 6 x 0,14 mm ² shielded, Ø 7,4 mm
Enclosure	stainless steel 1.4404
Weight	1200 g (incl. 10 m cable)
Dimensions	length 124 mm, diameter 39.5 mm
Protection	IP68
Measurement ranges	0-4 m / 0-10 m H ₂ O
Cable length	max. 30 m
Meas. diaphragm	capacitive ceramic measuring cell
Operating temperature measurement medium	-25°C bis +70°C
Storage temperature	-25°C bis +70°C
Max. humidity	80%, non-condensing