

DRULO II



Intelligent Pressure Gauge meeting all Requirements

- solid waterproof housing (no external plug's)
- foil-protected keyboard for on-the-spot programming
- extremely high memory capacity for more than 240,000 measurement values
- failure rate less than 1 % of final value at 20 °C
- data transfer via infrared/USB/SMS
- battery lifetime 10 years or 10.000.000 measured values

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The DRULO II pressure logger is a memory device for pressure-related data and has been developed and optimized for the water supply service industry. The pressure-related data is measured, displayed, and saved. The logger is directly operated through the PC and via an infrared adapter or via GSM module. It is not relevant whether the measurements require only several seconds of measuring time or even several months for long-term data acquisition – DRULO II can save up to 240.000 measurement values. As special performance the recognition and archiving of "Water Hammers" by means of a very high sampling rate from up to 10 measurements per second is feasible. For further analyzing of the single event the last 500 recording before the last "Water Hammer" are registered and saved too.

Range of Use

- pressure monitoring in the water supply field
- pipe network calculations
- calculating fire water capacities
- pressure check measurements

Technical Spezifications

Sensors	Internal pressure gauge Internal Altimeter
Measurement cell	long-term piezo-resistive measurement cell, temperature-compensated
Pressure ranges	from 0 upto 100/160/250/400/600 mbar; from 0 upto 1/1.6/2.5/4/6/10/16/25 bar; further ranges of up to 400 bar feasible
Temperature range	up to +70 °C
Accuracy	failure rate less than 1 % of final value at 20 °C
Resolution	+/- 0.005% FS e.g. 0.5 mbar at 10 bar
Measurement intervals	1 second up to 24 hours (selectable)
Real time	precise quartz clock measurement indicating the time and the date; start of data acquisition selectable
Data memory capacity	more than 240,000 values
Type of memory	buffered RAM, measurement values remain memorized during battery change
Interface	infrared transmission USB / SMS
Display	LCD (also for graphics)
Power supply	lithium battery 3.6v/7.6 ah, type AA; Battery life 10-year or 10.000.000 measured values
Materials	Case made of stainless steel/ aluminum with ventilation
Protection class	IP 68
Process connection	1/2 inch standard thread or hydrant clutch