

# RD522 Water Pressure Logger

Pressure gauge that meets all logging requirements

## Features

- Solid watertight housing (no plug or connector sockets).
- Foil-protected keyboard for on-site programming.
- Extremely high memory capacity for more than 240,000 measurement values.
- Error rate at less than 0.1% of final value at 20°C.
- Data transfer via infrared/GSM and infrared/USB.
- 10-year battery life.
- Suitable for deployment in critical water delivery areas to measure max/min demand.



## General information

The RD522 water pressure logger is a digital memory device for storing pressure-related data that has been developed and optimized for the water supply service industry. Pressure-related data is measured, displayed and saved in an accessible digital format. The logger can be operated through the PC via an infrared adapter or via a GSM module. Measurement time can vary from several seconds to several months for long-term data acquisition. The RD522 water pressure logger can cope with most field requirements and save up to 240,000 measurements.

## Range of applications

- Pressure monitoring in the water supply field.
- Pipeline network calculations.
- Calculating fire-fighting water capacities.
- Pressure check measurements.



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## Technical specifications

<b>Pressure ranges:</b>	From 0 up to 100/160/250/400/600 mbar; From 0 up to 1/1.6/2.5/4/6/10/16/25 bar; Further ranges of up to 400 bar are possible.
<b>Temperature range:</b>	Up to 70°C.
<b>Accuracy:</b>	Less than 0.1% of final value at 20°C.
<b>Resolution:</b>	+/- 0.005% FS e.g. 0.5mbar at 10 bar.
<b>Measurement intervals:</b>	1 second up to 24 hours (selectable).
<b>Realtime measurement:</b>	Precise quartz clock measurement indicating the time and the date; start of data acquisition selectable.
<b>Data memory capacity:</b>	More than 240,000 values.
<b>Type of memory:</b>	Buffered RAM, measurement values can be retrieved even after change of battery.
<b>Interface:</b>	Infrared transmission to USB or GSM adapters.
<b>Display:</b>	LCD (also for graphics).
<b>Measurement cell:</b>	Long-term piezo-resistive measurement cell, temperature compensated.
<b>Power supply:</b>	Lithium battery 3.6V / 7.6AH, type AA; 10-year battery life under 1-measurement-per-minute conditions.
<b>Materials:</b>	Stainless steel/aluminum case with ventilation.
<b>Protected class:</b>	IP 68.
<b>Pipe/hydrant connection:</b>	½ inch standard thread or hydraulic clutch.

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**Radiodetection Ltd.** Western Drive, Bristol BS14 0AF, UK  
Tel: +44 (0) 117 976 7776 Fax: +44 (0) 117 976 7775 Email: [sales.uk@spx.com](mailto:sales.uk@spx.com)

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