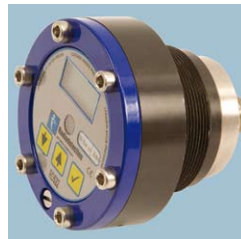


RD522

Water Pressure Logger



Operation Manual | Issue 1 | October 2009



Radiodetection
AN SPX COMPANY

Preface

Before you begin

Thank you for your interest in Radiodetection's RD522 water pressure logger.

Please read this user manual before attempting to use the RD522 system.

Radiodetection products, including this manual, are under continuous development. The information contained within is accurate at time of publication; however the RD522, this manual and all its contents are subject to change.

Radiodetection Limited reserves the right to modify the product without notice and some product changes may have taken place after this user manual was published.

Contact your local Radiodetection dealer or visit www.radiodetection.com for the latest information about the RD522.

Important notices

General

This instrument, or family of instruments, will not be permanently damaged by reasonable electrostatic discharge and has been tested in accordance with IEC 801-2. However, in extreme cases temporary malfunction may occur. If this happens, switch off, wait and switch on again. If the instrument still malfunctions, disconnect the batteries for a few seconds.

Safety

This equipment should be used by fully qualified and trained personnel only.

 **WARNING! This equipment is NOT approved for use in areas where hazardous gases may be present.**

Training

Radiodetection provides training services for most Radiodetection products. Our qualified instructors will train equipment operators or other personnel at your preferred location or at Radiodetection headquarters.

For more information go to www.radiodetection.com or contact your local Radiodetection representative.

Trademarks

RD522 is a trademark of Radiodetection Ltd.

Copyright statement

Copyright 2009 Radiodetection Ltd – SPX Corporation. All rights reserved.

Radiodetection is a subsidiary of SPX Corporation.

SPX and Radiodetection are trademarks of Radiodetection Ltd. and SPX Corporation. Due to a policy of continued development, we reserve the right to alter or amend any published specification without notice.

This document is protected by copyright and may not be copied, reproduced, transmitted, modified or used, in whole or in part, without the prior written consent of Radiodetection Ltd.

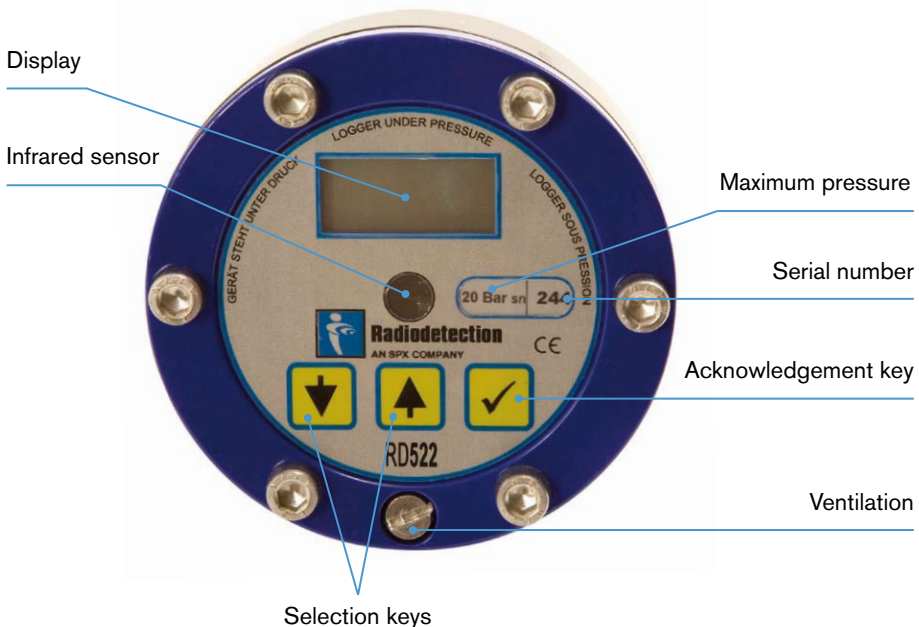
Introduction

Overview

The RD522 water pressure logger measures and stores pressure-related data and is optimized for the water supply and service industry. The RD522 saves up to 240,000 measurements in an accessible digital format and stores them to local non-volatile memory. The logger can be connected to a PC via an infrared adapter to a GSM module. Measurement time can vary from several seconds to several months for long-term data acquisition. The RD522 water pressure logger is ideally suited to the following applications:

- Pressure monitoring in the water supply industry
- Pipeline network calculations
- Fire Hydrant checks
- Pressure check measurements

General description of the RD522



Operation

Main menu



The logger can be switched on by pressing any key.

Select the main menu using the arrow keys



and confirm



**No measurement
activated !!
Activate?**

To set all measurement parameters.

**No measurement
activated !!
Indicate time**

To check and update the time indicated by the logger.

**No measurement
activated !!
Indicate date**

To check and update the date indicated by the logger.

**No measurement
activated !!
De-activating LCD**

De-activate the LCD.

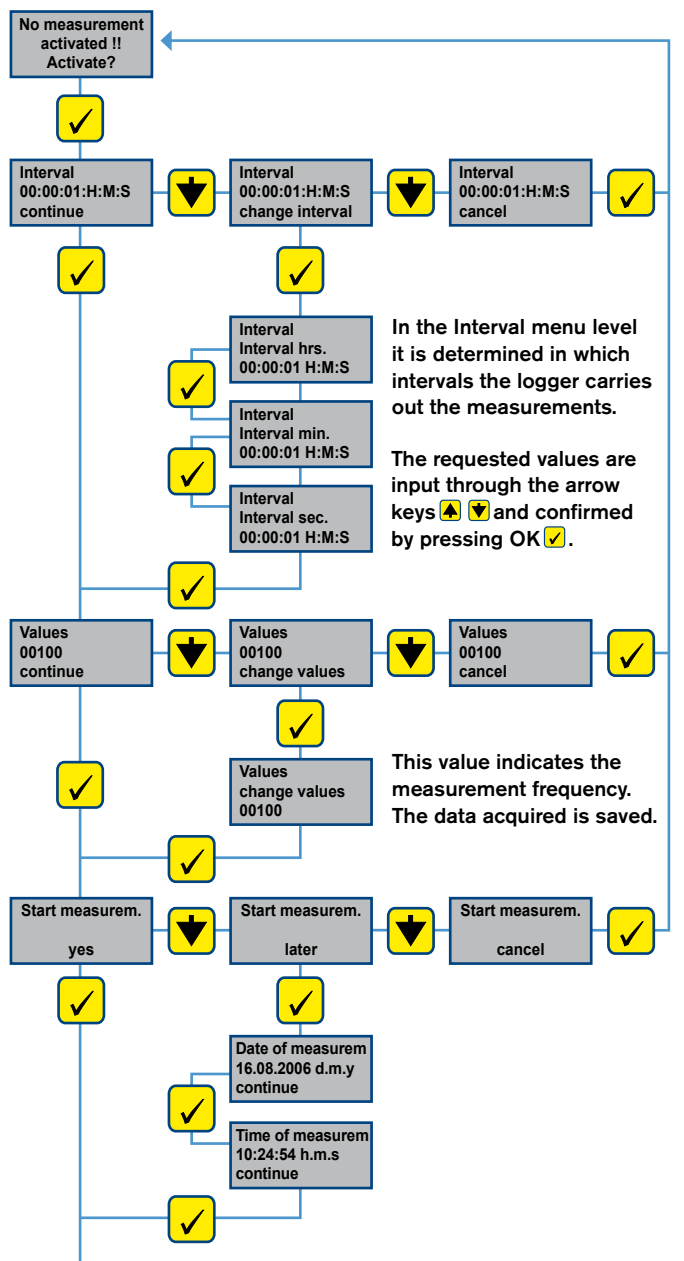
**No measurement
activated !!
Test measurement**

Measurement has started, data will not be saved.

**No measurement
activated !!
Battery**

Measurement has started, data will not be saved.

Setting the measurement parameters



Values indicated during measurement

Select through the arrow keys .

Curr: 03.051 bar
Curr: 3.05

Current pressure value

Curr: 03.051 bar
Min: 3.05

Minimum pressure value

Curr: 03.051 bar
Max: 3.05

Maximum pressure value

Curr: 03.051 bar
No. :00051

Number of acquired values

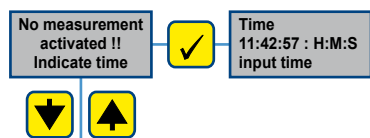
Curr: 03.051 bar
Stopmeas

Measurement cancelled

Curr: 03.051 bar
LCD off

Switch off the LCD

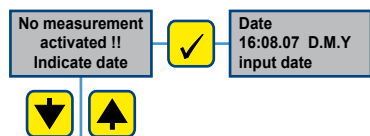
To check and update the time



The values are input through the arrow keys and confirmed by pressing OK .

Next sub-menu

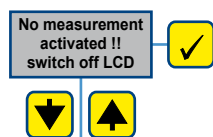
To check and update the date



The date is input through the arrow keys and confirmed by pressing OK .

Next sub-menu

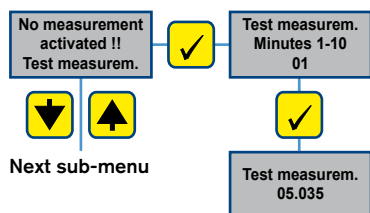
Switch off the LCD



Switches the LCD off. Activate by pressing any key .

Next sub-menu

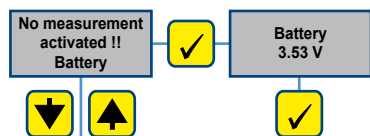
Test measurement



The data is input through the arrow keys and confirmed by pressing OK . The scale ranges from 1 minute to 10 minutes and is displayed by the second.

Next sub-menu

Battery



Displayed text. Please note that the values are not saved.

Next sub-menu

America

Radiodetection

154 Portland Road, Bridgton, ME 04009, USA

Tel: +1 (207) 647 9495 Toll Free: +1 (877) 247 3797 Fax: +1 (207) 647 9496

Email: rd.sales.us@spx.com Web: www.radiodetection.com

Pearpoint

72055 Corporate Way, Thousand Palms CA 92276, USA

Tel: +1 800 688 8094 Tel: +1 760 343 7350 Fax: +1 760 343 7351

Email: pearpoint.sales.us@spx.com Web: www.radiodetection.com

Radiodetection (Canada)

344 Edgeley Boulevard, Unit 34, Concord, Ontario L4K 4B7, Canada

Tel: +1 (905) 660 9995 Toll Free: +1 (800) 665 7953 Fax: +1 (905) 660 9579

Email: rd.sales.ca@spx.com Web: www.radiodetection.com

Europe

Radiodetection Ltd (UK)

Western Drive, Bristol BS14 0AF, UK

Tel: +44 (0) 117 976 7776 Fax: +44 (0) 117 976 7775

Email: rd.sales.uk@spx.com Web: www.radiodetection.com

Radiodetection (France)

13 Grande Rue, 76220, Neuf Marché, France

Tel: +33 (0) 2 32 89 93 60 Fax: +33 (0) 2 35 90 95 58

Email: rd.sales.fr@spx.com Web: <http://fr.radiodetection.com>

Radiodetection (Benelux)

Industriestraat 11, 7041 GD 's-Heerenberg, Netherlands

Tel: +31 (0) 314 66 47 00 Fax: +31 (0) 314 66 41 30

Email: rd.sales.nl@spx.com Web: <http://nl.radiodetection.com>

Radiodetection (Germany)

Groendahlscher Weg 118, 46446 Emmerich am Rhein, Germany

Tel: +49 (0) 28 51 92 37 20 Fax: +49 (0) 28 51 92 37 520

Email: rd.sales.de@spx.com Web: <http://de.radiodetection.com>

Asia-Pacific

Radiodetection (Asia-Pacific)

Room 708, CC Wu Building, 302-308 Hennessy Road, Wan Chai, Hong Kong SAR, China

Tel: +852 2110 8160 Fax: +852 2110 9681

Email: rd.sales.cn@spx.com Web: www.radiodetection.com

Radiodetection (China)

Hongfu Mansion, Room 61622, Zheng Ge Zhuang, Bei Qi Jia Town, Chang Ping District
Beijing 102209, China

Tel: +86 (0) 10 8975 5540 Fax: +86 (0) 10 8975 5640

Email: rd.service.cn@spx.com Web: <http://cn.radiodetection.com>

Radiodetection (Australia)

Unit 14, 5-7 Prosperity Parade, Warriewood NSW 2102, Australia

Tel: +61 (0) 2 9979 8555 Fax: +61 (0) 2 9979 7733

Email: rd.sales.au@spx.com Web: www.radiodetection.com

www.radiodetection.com

Radiodetection products are under continuous development and are subject to change, we reserve the right to alter or amend any published specification without notice.
Copyright 2009 Radiodetection Ltd. - SPX Corporation. All rights reserved. Radiodetection Ltd. is a subsidiary of SPX Corporation.



Radiodetection
AN SPX COMPANY