Your new Bluetooth-enabled *data logging and* *configuration tool*

PR 4512

The PR 4512 Bluetooth communication enabler provides data logging, monitoring, programming and error diagnostics of all PR 4000 and 9000 devices – both today and into the future. Android & iOS compatible.

Available on the iPhone **App Store**

ANDROID APP ON **Google play**

Klik hier boven   Klik hier boven

TEMPERATURE | I.S. INTERFACES | COMMUNICATION INTERFACES | MULTIFUNCTIONAL | ISOLATION | DISPLAY

PR electronics

Welcome to a flexible
system of connectivity

The PR 4512 Bluetooth device enables seamless communication between the PR 4000 and 9000 modules and your iOS/Android device. This allows easy configuration and access to logged process data.

Pairing

Simple pairing or safe pairing via two-factor authentication is possible. During safe pairing, press the PR 4512 OK button to acknowledge, then pairing will occur. PR 4512 is based on Bluetooth 4.2.

Programming

Program the devices via Bluetooth using an iOS/Android device running the free PR electronics PPS application.

Monitoring of process values

Monitor live process values and diagnostic information on your iOS/Android device running the PPS application – or monitor directly on the PR 4512 display.

Data plus event logging

Advanced data logging including time stamped events utilizing the built-in real-time clock. With its 100 MB onboard memory, the PR 4512 can log more than 2.75 million data points. For example, you can record 30 days of process data at one-second intervals – perfect for preventive maintenance.

Analyze your data

While on-site, easily analyze real-time process data by uploading it to an iOS or Android device. Off-site, you can view data in .csv format for convenient analysis on your PC.

Built-in real-time clock

Bluetooth®

Built-in 100 MB memory storage for long term data and event logging

An internal battery energizes the 4512 real-time clock for at least 2 years, should the 4512 remain de-energized

Detects the PR 4000 and 9000 device settings automatically

Gold-plated contacts for high quality data transfer

15.2 °C
6.66 mA

PR 4512

Program via Bluetooth from an iOS or Android device, or use the front buttons

Simple and safe pairing with your smart device

Easily snap on/off without tools from the front of any PR 4000/9000 device

180° display rotation for upside down installation (switching up/down buttons)

Guided menu structure with built-in scrolling help text

Your new tool for easy configuration, *monitoring and data logging*

Programming

With the PR 4512, you can program ALL your PR 4000 and 9000 devices using a smartphone or tablet. Simply download the PPS application from the App store (iOS) or Google Play (Android).

Maintenance

Monitor all your process variables directly on your smart device in real time. For example, input/output values, relay status, error settings and other diagnostics are read from the PR devices.
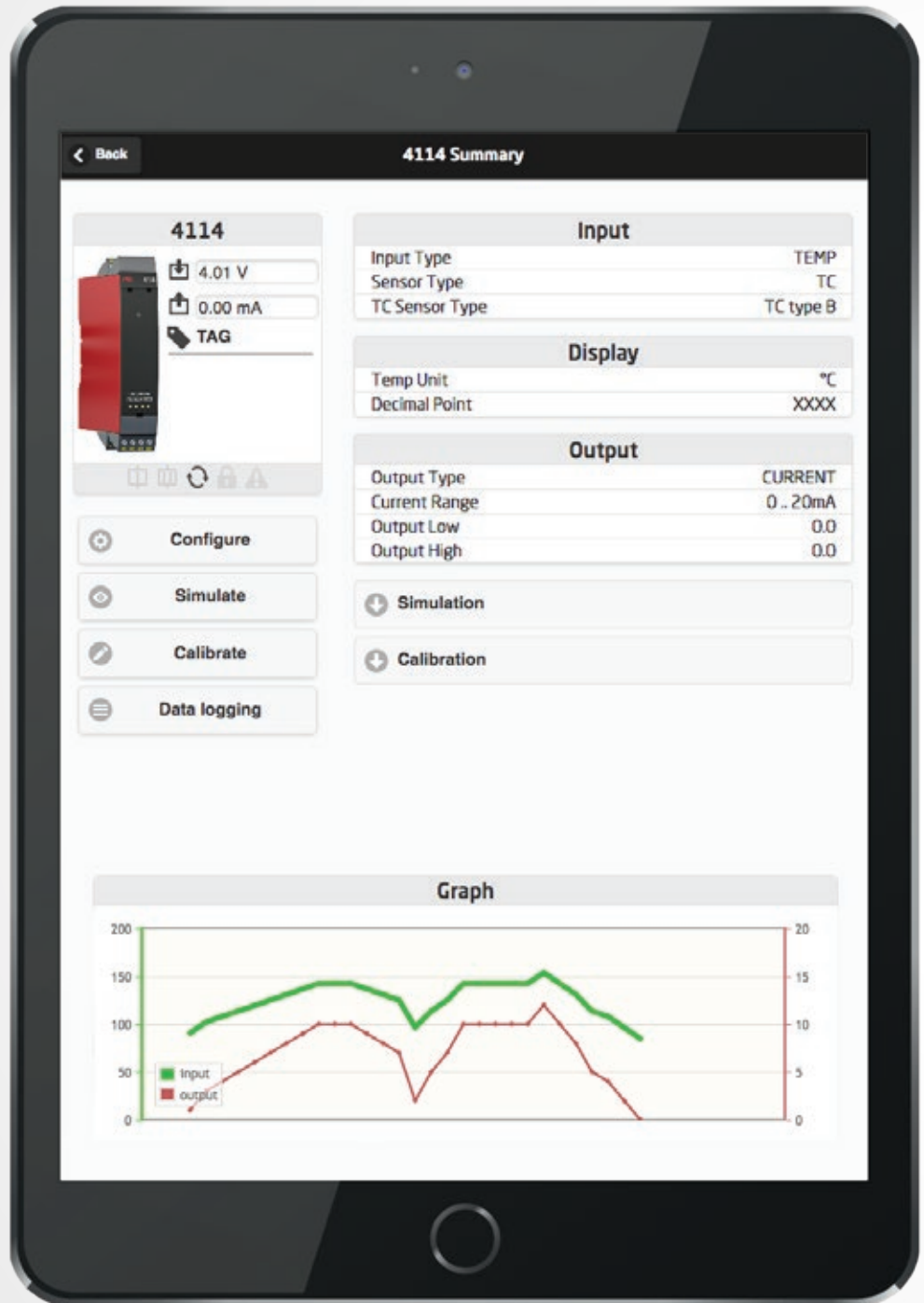
Data log set-up

The PR 4512 can save more than 2.75 million data points. From your smart device you can easily define the sampling interval, from 1 second to 9999 seconds.

Example:
Sampling time 1 second = 30 days of data.
Sampling time 10 seconds = 300 days of data.

4114 Summary

4114
- 4.01 V
- 0.00 mA
- TAG

| Configure |
| Simulate |
| Calibrate |
| Data logging |

Input
Input Type	TEMP
Sensor Type	TC
TC Sensor Type	TC type B

Display
Temp Unit	°C
Decimal Point	XXXX

Output
Output Type	CURRENT
Current Range	0 .. 20mA
Output Low	0.0
Output High	0.0

| Simulation |
| Calibration |

Graph
Input
output

Data log readout

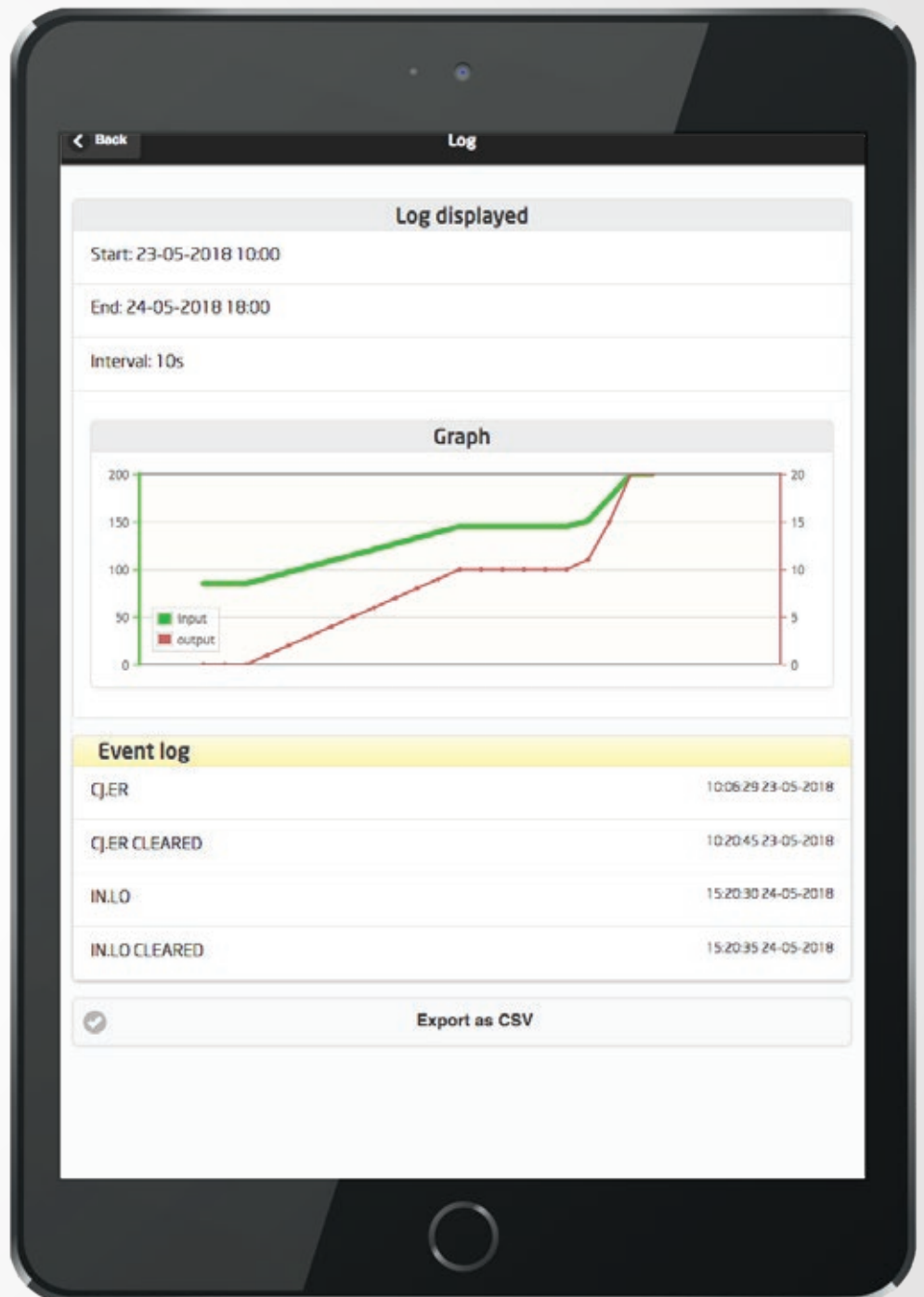The data log and the event log can be read directly on your smart device or viewed on a PC using PR's software package PReset and the PR 4590 ConfigMate interface.

Event log

Besides the logged data, events such as sensor error and change in relay status are logged and time stamped.

Export data and event log (.csv)

All logged data can be exported in the commonly used .csv format, for advanced data analysis off-site.

Log displayed

Start: 23-05-2018 10:00

End: 24-05-2018 18:00

Interval: 10s

Graph

■ input
■ output

Event log

CJ.ER	10:06:29 23-05-2018
CJ.ER CLEARED	10:20:45 23-05-2018
IN.LO	15:20:30 24-05-2018
IN.LO CLEARED	15:20:35 24-05-2018

Export as CSV

Analyze and save *your data*

Analyze and save all logged data on a PC using PR's PReset software and the PR 4590 ConfigMate. Simply place the PR 4512 Bluetooth device on the docking station to export data directly into the software.

The PR 4590 ConfigMate additionally allows for transfer of stored device configurations to and from a PC for backup.

Detachable *interfaces*

All PR detachable interfaces are compatible with all existing and future PR 4000 and 9000 devices.

The **PR 4501 Display / programming front** makes module configuration, monitoring and simulation easy.

The **PR 4511 Communication enabler** adds Modbus RTU digital communications.

The **PR 4512 Bluetooth communication enabler** adds Bluetooth connectivity and long term data logging functionality.

Specifications

	4501	4511	4512
Display type	4 line	Dot-matrix	Dot-matrix
Compatible 4000/9000 series	Yes	Yes	Yes
Local operator interface	Yes	Yes	Yes
Remote operator interface	No	Remote Wireless/PPS	Wireless Bluetooth/PPS
Live monitoring of process values and diagnostic information: Local/Remote	Yes/No	Yes/Yes	Yes/Yes
Built-in data logging feature	No	No	Yes
180° display rotation for upside down installation	No	Yes	Yes
Process simulation & calibration: Local/Remote	Yes/No	Yes/Yes	Yes/Yes
Mounting in Zone 2 / Div. 2	Yes	Yes	Yes
4590 ConfigMate (Save configurations)	Yes	Yes	Yes

Benefit today from
PERFORMANCE MADE SMARTER

PR electronics is the leading technology company that specializes in making industrial process control safer, more reliable and more efficient. Since 1974 we have been dedicated to perfecting our core competence of innovating high-precision technology with low power consumption. This dedication continues to set new standards for products that communicate, monitor and connect our customers' process measurement points to their process control systems.

Our innovative, patented technologies are derived from our extensive R&D facilities and our thorough understanding of our customers' needs and processes. We are guided by principles of simplicity, focus, courage and excellence, enabling some of the world's greatest companies to achieve PERFORMANCE MADE SMARTER.

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