Read Mobile

Pocket PC Software modules for mobile data collection

Applications

Software module with Bluetooth readout adaptor for Pocket PCs for data collection and parameterisation of volume correctors and data loggers.

Brief information

The software modules RM100 and RM200 for Pocket PCs (OS Pocket PC 2003 or Windows Mobile 5.0) are used for reading out data from and setting parameters in volume correctors and data loggers. The connection between the Pocket PC and the device being read out is established via a wireless Bluetooth connection (up to 10 metres) using Bluetooth readout adaptors and the corresponding integrated interface in the Pocket PC itself. The collected archive data is transferred via a docking station or a corresponding connection cable to a PC and imported to the Elster-Instromet LIS system for further processing.

Supported devices: The software module RM100 in combination with the readout adaptor 'LIS-100 Adapter' is used for:
- EK-86/ 87/ 88, TC-90/T, TC-90/K volume correctors
- DS-100/A /B /V2 data loggers.

The software module RM200 in combination with the readout adaptor 'LIS-200 Adapter' supports:
- TC210, EK210, EK230 and EK260 volume correctors
- DL210, DL220 and DL240 data loggers.

Readout: The data can be read out either manually or automatically. On top of this, all of the different readout modes in the devices are available, which guarantees that the already well-known time-optimised readout functions are maintained.

Parameterisation: In addition to reading out archive data, the software modules also enable the user to set parameters in the devices. With this function all of the important parameters for starting up the device, for automatic readout and for the use of the outputs can be set.
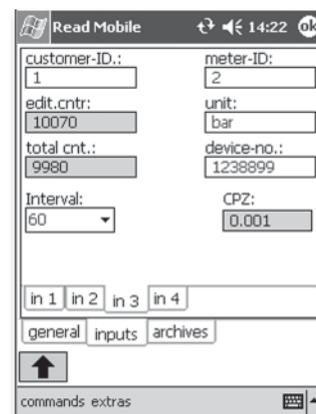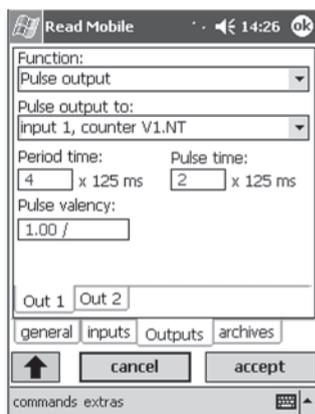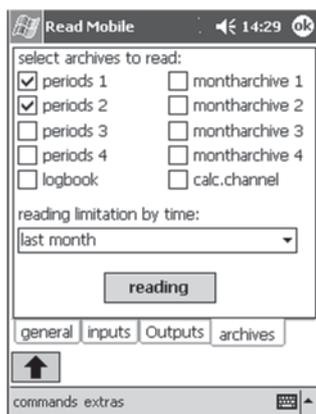
Further processing of the data: By means of the PC programme Read Mobile Sync the transfer of the complete set of archive data to a stationary computer can be done via a docking station. The data can then be archived, evaluated or exported using the WinVIEW programme. The archive data from the LIS 200 product line which is read out with the help of the RM200 software module can also be displayed and processed with the WinLOOK software.

Main features

- Mobile data collection with Pocket PCs
- Basic parameter settings for start-up
- Manual or automatic readout
- Compact readout adaptors with Bluetooth interface for wireless data transfer
- High storage capacity
- Data backup via SD memory card
- Data transfer to a PC for further processing of collected archive data
- Simple installation
- User friendly

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Examples of applications

Technical data

	Bluetooth LIS-100 adaptor in connection with RM100 readout module	Bluetooth LIS-200 adaptor in connection with RM200 readout module
Bluetooth interface	Bluetooth 1.1 / class 2 Range approx. 10 m Serial Port Profile (SPP)	Bluetooth 1.1 / class 2 Range approx. 10 m Serial Port Profile (SPP)
Interface to device	Serial interface on the LIS-100 devices 6-pole round socket, rotatable 140° Baud rate: 4800 Bd Data format 8N1	Infrared in accordance with IEC 62 056-21 Baud rates: 300 ... 9600 Bd
Supported devices	EK-86/-87/-88/-90, TC-90/T, TC90/K DS-100/A /B /V2	TC210, EK210, EK230, EK260 DL210, DL220, DL240
Power Supply	Integrated NiMH storage battery with charging function	Integrated NiMH storage battery with charging function
Operational life of batteries	8 h constant operation	7 h constant operation
Battery charger	230 V AC	230 V AC
Dimensions	Width: 65 mm Height:100 mm Depth: 29 mm (+ 32 mm connector)	Width: 50 mm Height: 72 mm Depth: 29 mm Optical interface: Diameter 32 mm
Weight	Approx. 140 g	Approx. 130 g
Operating temperature range	0 °C . . . + 50 °C	0 °C . . . + 50 °C

System requirements – storage capacity – order information

System requirements	Pocket PC (PDA) with one of the following operating systems: - Pocket-PC 2003 or Pocket-PC 2003 Second Edition (Windows Mobile 2003) - Windows Mobile 5.0 (WM5) Bluetooth interface 1.1 / class 2 Min. 64 MB main memory (32 MB recommended as data storage capacity)
Storage capacity	The use of 32 MB as data storage capacity ensures a readout capacity of approx. 100 measureing period archives (hourly values) in a month
Order number	- 83 480 120 RM100 incl. Bluetooth LIS-100 adaptor - 83 480 120 RM200 incl. Bluetooth LIS-200 adaptor - 04 415 019 Pocket PC (PDA) - Exact description of type is specified in offer

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A06.02.2008