MULTITERM Pro wM-Bus

DATA SHEET

- ■ **Wireless M-Bus solution for MULTICAL®**
- ■ **Optical and manual reading**
- ■ **Clear display of route status**
- ■ **Rugged design**
- ■ **Fast and secure data transfer**
- ■ **Complies with EN 13757-4 C1-mode**

Hand-held terminal for reading of consumption meters

Wireless M-Bus solution for MULTICAL®

MULTITERM Pro wM-Bus supports the newest standard for wireless reading of water, heat and cooling meters. Wireless M-Bus is a wireless variant of the wired M-Bus that is already widely used for meter reading.

Parts of the standard are dedicated to Walk-by/Drive-by solutions, and MULTITERM Pro wM-Bus exploits this to ensure a fast and stable data transfer from meter to hand-held terminal.

Optical and manual reading

MULTITERM Pro wM-Bus is Kamstrup's latest hand-held terminal. MULTITERM Pro wM-Bus is customised for the field worker responsible for reading

heat, cooling and water consumption, whether by radio, optical eye, or manual data entry.

Apart from reading Kamstrup's heat, cooling and water meters, MULTITERM Pro wM-Bus allows you to read meters of third parties.

Clear display of route status

In MULTITERM Pro wM-Bus, you have the possibility of creating routes with up to 500 meters per route in advance. The hand-held terminal can at least contain data from 6000 meters. You can choose between the routes using the large user-friendly graphical colour display. This large display provides an overview of the status of all available routes including street names and the chosen route/street.

Furthermore, the display shows you the status of each meter of the current route/street clearly stating meter number, name, address, and meter type.

Finally, all meter data such as reading time, max power/flow, energy, and volume are displayed.

Rugged design

MULTITERM Pro wM-Bus is based on the WORKABOUT Pro from Psion Teklogix and is equipped with a large colour touch screen display and a numeric keyboard. MULTITERM Pro wM-Bus is designed to withstand changeable weather conditions and is both water, dust, shock, and temperature resistant.

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MULTITERM Pro wM-Bus
DATA SHEET

Function

Fast, easy, and secure data transfer

MULTITERM Pro wM-Bus and the included PC program enables you to collect data quickly and safely without being in direct contact with the meter.

In most cases, it is possible to collect data by passing by each lot with the permitted speed in urban areas.

If the hand-held terminal runs out of power, your data will be stored automatically. In this way, no data will be lost.

Finally, the docking station enables you to transfer data easily and quickly from MULTITERM Pro wM-Bus to the PC.

Hardware

MULTITERM Pro wM-Bus is based on a Windows Mobile Psion WORKABOUT Pro and rated at IP54. It is equipped with a colour touch screen display and a complete keyboard.

Reading of log values

Through the optical eye you can use MULTITERM Pro wM-Bus to read data loggers in all MULTICAL® meters. Furthermore, you can see the values on the display and export them to Excel.

Update of meter with MULTITERM Pro wM-Bus

With MULTITERM Pro wM-Bus you can update e.g. the date, time, and tariff of the meter via the optical eye or cable.

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DATA SHEET

Technical data

MULTITERM Pro wM-Bus is available with

- The hand-held terminal WORKABOUT Pro from Psion Teklogix
- Kamstrup MULTITERM Pro wM-Bus software
- 4400 mAh lithium battery
- Kamstrup Wireless M-Bus
- Antenna
- Docking station
- Hand strap
- Cradle for vehicle mount

Electrical data

- Supply: 4400 mAh litium-ion battery
- EMC: FCC Part 15 Class B
- Backup: Rechargeable backup battery
- Memory: 128 MB Flash, 128 MB RAM
- Protocols: IEC1107/RS232, EN13757
- Operating system: Windows Mobile 6

Mechanical data

- Total weight: 632 g
- Size: 260 x 100 x 45 mm (without antenna)
- Density: IEC 529, rated at IP54
- Humidity: 5-95%, non-condensing
- Storage temperature: -25 - +60°C
- Operating temperature: -10 - +50°C

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MULTITERM Pro wM-Bus
DATA SHEET

Display

User1 - 18.08.2011 10:29	User1 - 25.08.2011 14:13	User1 - 25.08.2011 14:13
Kamstrup | MULTITERM Pro	**Select route:**	**Stilling 2 streets:**
1: Read from route 2: Manual reading 3: Search 4: Receive routes 5: Send data 6: Configure	Stilling 1 — 65 Stilling 2 — 14 Stilling 3 — 332	Falkevej — 1 Mursejlervej — 0 Nattergalevej — 0 Prins Chr.Vænget — 11 Rosenkjær — 0 Slåenvænget — 1 Ternevej — 0 Vagtelvej — 0
435 meters in 3 route(s). 24 meters done. 3 ad hoc meters.	24/435 - 6% Number of completed routes : 0/3 Meters with info code : 0 * Showing all meters (T) * Jump to current street, disabled (J)	24/38 - 63% Number of completed streets : 5/9 Meters with info code : 0 * Showing all meters (T) * Jump to current street, disabled (J)
Select — **Quit**	**Start reading** — **Back**	**Start reading** — **Back**

Accessories

MULTITERM Pro wM-Bus

Docking station incl. 230 V power supply and USB cable

4400 mAh lithium battery

Stylus pen

Battery lid

Hand strap

Power supply for docking station

Power supply with car cigarette lighter plug

Vehicle cradle

Flexible vehicle cradle

Magnetic roof antenna

Antenna for MULTITERM Pro wM-Bus

Optical eye with USB cable