

GETTING STARTED

MULTITERM Pro wM-Bus



For further information, see www.kamstrup.com

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1 2 3 4 5 6 7

Read from route

User1 - 18.08.2011 10:29


Kamstrup | MULTITERM Pro

- 1: Read from route
- 2: Manual reading
- 3: Search
- 4: Receive routes
- 5: Send data
- 6: Configure

435 meters in 3 route(s).
 24 meters done.
 3 ad hoc meters.

Select Quit

Start a reading with "Read from route".



User1 - 25.08.2011 14:13

Select route:

Stilling 1	65
Stilling 2	14
Stilling 3	332

24/435 - 6%


Number of completed routes : 0/3
 Meters with info code : 0

* Showing all meters (T)
 * Jump to current street, disabled (J)

Start reading Back

Create the route in PcBase III. You can create as many routes as you wish.

Select a route, and press "Start reading".



User1 - 25.08.2011 14:13

Stilling 2 streets:

Falkøvej	1
Murseglervej	0
Nattergalevej	0
Prins Chr. Vænget	11
Rosenkjær	0
Slåenvænget	1
Ternevej	0
Vagtøvej	0

24/38 - 63%

Number of completed streets : 5/9
 Meters with info code : 0

* Showing all meters (T)
 * Jump to current street, disabled (J)

Start reading Back

You arranged the order when you created the route in PcBase III.

Street names are displayed with the number of meters that have not been read.

In the status field, the number of completed streets/total number of streets is displayed.

User1 - 25.08.2011 14:14

Reading route: Stilling 2

- Prins Chr. Vænget 145
- Prins Chr. Vænget 147
- Prins Chr. Vænget 149
- Prins Chr. Vænget 151
- Prins Chr. Vænget 153
- Prins Chr. Vænget 155
- Prins Chr. Vænget 159
- Prins Chr. Vænget 161

0/11 - 0%

Meter number : 60102995
 Name :
 Address : Prins Chr. Vænget 151
 Note :
 Meter type : MULTICAL 402
 Format number : 34419

Stop reading Back

For each street name, address details are displayed as well as indications of whether or not the meter has been read.

In the status field, read data are displayed for each meter.

Press "D" to see reading data.

2 3 4 5 6 7

Manual reading

User1 - 22.08.2011 09:08

Kamstrup | MULTITERM Pro

- 1: Read from route
- 2: Manual reading
- 3: Search
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435 meters in 3 route(s).
 24 meters done.
 4 ad hoc meters.

Select Quit

Here, you can choose "Manual reading".

User1 - 22.08.2011 09:08

Select reading method

- 1. wM-Bus
- 2. Optical
- 3. Manual
- 4. View ad hoc meters
- 5. View log readings

Select Back

"wM-Bus"
 Choose between manual reading of a water meter or a heat meter.

"Optical"
 Using an optical eye, all parameters can be read, including the logged values.

"Manual"
 Read the display, and enter the read values in the hand-held terminal.

User1 - 19.08.2011 08:22

Press Enter to change state

Select: (A) All, (I) Invert, (N) None

- Index
- Time stamp
- Date
- E1 Heat energy(MWh)

Confirm Cancel

"View ad hoc meters"
 Displays read meters that have not been added to the routes of the hand-held terminal in advance.

"View log readings"
 View the logged values under "Optical".



3 4 5 6 7

Search

User1 - 18.08.2011 13:57


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- 1: Read from route
- 2: Manual reading
- 3: Search
- 4: Receive routes
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- 6: Configure

435 meters in 3 route(s).
 24 meters done.
 3 ad hoc meters.

Select Quit

Here, you can search freely in loaded routes.



User1 - 18.08.2011 13:58

Search

Select search area:

Address

Address

Meter ID
 Meter type
 Event code
 InfoCode
 Type of reading
 Any text

Search Back

Search freely in the displayed options.

User1 - 31.08.2011 12:22

Search

Select search area:

Address

Search string:
 natterga

Search Back

Search in all loaded routes.

User1 - 31.08.2011 12:23

Search

- Nattergalevej 1
- Nattergalevej 17
- Nattergalevej 19
- Nattergalevej 20
- Nattergalevej 22
- Nattergalevej 23 B
- Nattergalevej 5
- Nattergalevej 8

Meter number : 60102843
 Meter reader : User1
 Time : 2011-08-03T13:17:58
 E1 Varmeenergi : 380 kWh
 V1 Volumen : 19,02 m3

Back

The search result is displayed for all available routes on the hand-held terminal.

Receive routes

User1 - 19.08.2011 08:25
Kamstrup | MULTITERM Pro

- 1: Read from route
- 2: Manual reading
- 3: Search
- 4: Receive routes
- 5: Send data
- 6: Configure

435 meters in 3 route(s).
24 meters done.
3 ad hoc meters.

Select Quit

It is easy to load routes from your PC.



A route is created and stored on the PC via PcBase III.

Select the required routes, and press "Get routes".

User1 - 19.08.2011 13:06

Select routes to receive:

- Skanderborg.route
- Stilling 5.route

Press Enter to select file

Get routes Back

Route example



Send data

User1 - 18.08.2011 15:30
Kamstrup | MULTITERM Pro

- 1: Read from route
- 2: Manual reading
- 3: Search
- 4: Receive routes
- 5: Send data
- 6: Configure

435 meters in 3 route(s).
24 meters done.
3 ad hoc meters.

Select Quit

When data have been collected, they are sent to the PC for further processing.



Select the completed routes you wish to send, and press "Send files".

PcTermPro III will then load the data.

Subsequently, the loaded data can be seen in PcBase III and from there exported to e.g. the billing system.

User1 - 18.08.2011 15:31

Select files to send:

- adhoc
- Stilling 3
- Stilling 1
- Stilling 2
- 6004973_Monthly

Press Enter to select file

Meter status
 Done : 3
 Missing : 0
 Total : 3

Send files Back

Workflow



Configure

User1 - 18.08.2011 15:34
Kamstrup | MULTITERM Pro

- 1: Read from route
- 2: Manual reading
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- 6: Configure

435 meters in 3 route(s).
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3 ad hoc meters.

Select Quit

Here, you can find the toolbox.



You can choose between configuration of a meter via optical eye and configuration of the hand-held terminal.

User1 - 19.08.2011 08:26

Configure

- 1: Configure meter by radio
- 2: Configure meter by optical eye
- 3: Configure hand-held terminal
- 4: Engineering Tools

Make sure the meter is connected before choosing to configure meter by optical eye

Select Back

User1 - 19.08.2011 08:27

Configuration: MULTICAL 402

- 1: Average max/min. time
- 2: Date and time
- 3: M-Bus addr. in base module
- 4: Meter number
- 5: Pulse input settings
- 6: Target date set-up
- 7: Tariff

Choose config type. Make sure the meter is connected before selecting a config type.

Select Back

If you use an optical eye, the displayed options are available.

Under "Configure hand-held terminal", the displayed options are available.

User1 - 18.08.2011 15:35

Configure hand-held terminal

- 1: Change language/region
- 2: Change user
- 3: Change date/time
- 4: Change frequency
- 5: Select supported meter types
- 6: Check for updates
- 7: Set "Keep unread-meters"

Select Back

Keyboard overview

