

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".



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

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

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.

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.

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

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".

"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.

"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".

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

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



3 4 5 6 7

Search

User1 - 18.08.2011 13:57
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- 1: Read from route
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435 meters in 3 route(s).
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3 ad hoc meters.

Select Quit

Here, you can search
freely in loaded routes.



Search freely in the
displayed options.

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

User1 - 31.08.2011 12:22

Search

Select search area:

Address

Search string:

natterga

Search Back

Search in all loaded
routes.

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

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 Varmeennergi : 380 kWh
V1 Volumen : 19,02 m3

Back

Receive routes

User1 - 19.08.2011 08:25

Kamstrup | MULTITERM Pro

- 1: Read from route
- 2: Manual reading
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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
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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

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- 1: Read from route
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435 meters in 3 route(s).
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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

