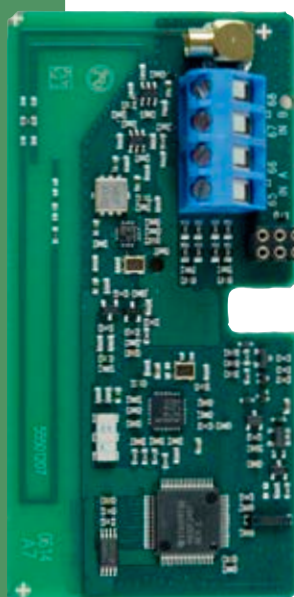


Data sheet

Radio modules

for MULTICAL® 601/61 and
MULTICAL® 602/62

- Wireless radio reading of MULTICAL® heat/cooling/water meters
- Operates within a licence-free radio band
- Easily built into the modular space of the meter (Plug and Play)
- Built-in antenna
- External antenna is possible
- No configuration
- Prepared for radio network
- Extra pulse inputs
- Supplied from MULTICAL®
- Supports leakage and bursting alarm



Application

With a radio module from Kamstrup placed in the meter it is possible to read the meter either via a hand-held reading system (USB Meter Reader or the hand-held terminal MULTITERM Pro) or via a fully automatic radio network, and thus avoid to disturb the customer.

External cables are not necessary as is the case with reading via an external data plug or an optical eye.

The radio module is mounted in the modular space of the meter without using tools and is ready for use less than 10 seconds after the calculator top has been mounted.

The reading system now decides which data to read in the meter.

This data is transferred every 24 hours from the meter to the memory of the radio module, and thereby the reading time can be reduced considerably. It is also possible to read current data in the meter.

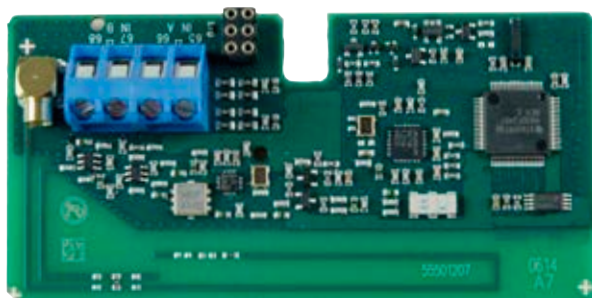
As standard, the radio modules are supplied to operate within a licence-free frequency band, and are prepared to form part of a Kamstrup radio network, where the read data is automatically transferred to the system software via the network components RF Router and RF Concentrator.

The radio module is supplied with extra pulse inputs for direct connection of e.g. water or electricity meters.

A Kamstrup radio system is extremely robust to interference.

Connection diagram

MULTICAL® 601/61/ MULTICAL® 602/62 – Pulse inputs



Terminal 65-66 (input A) Pulse input A
Terminal 67-68 (input B) Pulse input B

Technical data

Electrical data

Supply	Supplied via the meter
Range	
– Installed	Up to 200 m
– With external antenna	Up to 500 m
Frequency band	
– As standard	Licence-free frequency band
– Alternatively	Licence demanding frequencies
Output	2 mW [3 dBm]

Mechanical data

Dimensions	45 x 90 mm
Ambient temperature	-40 - +60oC
Mounting	In the modular space of the meter

Marking and approvals

MID

EN 1434 approval

R&TTE directive EN 300 220 - class 2
 EN 301 489, EN60 950, EN62 311

CE marking

Typical data reading times

– from the memory of the radio module 6 s
 – directly from the meter 12 s

For further information, see the manual for the hand-held terminal.

Ordering

Description	Type No.
Radio module for MULTICAL® 601/61/602/62 – pulse inputs	6700-25-000-3xx
External antenna (2.5 m antenna cable)	66-99-407
External antenna	66-99-408
Converter, external antenna	66-99-417
Antenna cable (50 m)	66-99-460

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