

# GSM 6H

**Fast and efficient remote reading of Kamstrup's heat and cooling meter, MULTICAL® 801**

**GSM and GPRS**

**Dual band 900 MHz and 1800 MHz**

**9600 bits/sec data communication via GSM data channel**

**Signal strength reading via light emitting diodes as well as SMS**



## Application

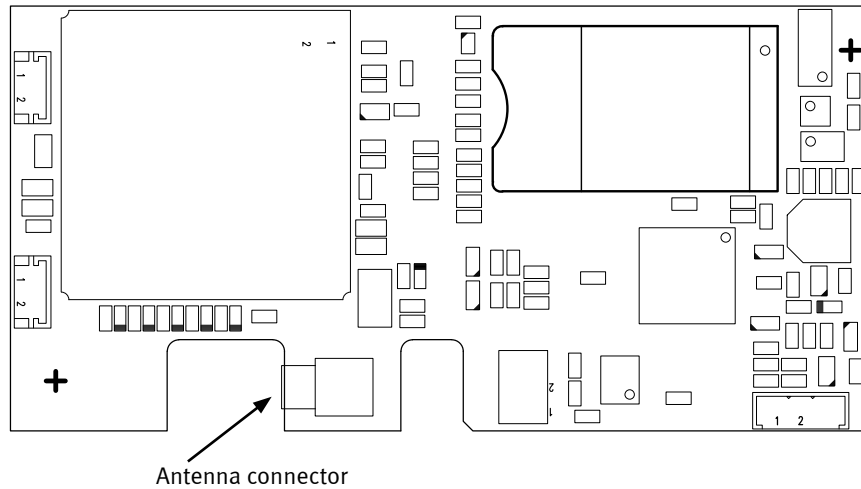
The GSM 6H module is mounted directly in the module area of MULTICAL® 801. With this module mounted a compact measuring point has been created. Everything is included in one box and there is no need for additional connections.

In addition to remote reading the GSM 6H module makes it possible to read the module's current GSM signal strength.



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# Connection diagram



## Technical data

### GSM

GSM900-1800 MHz Phase II+

- class 4                    900 MHz, 2 W
- class 1                    1800 MHz, 1 W

Antenna                    MCX connector for external antenna

Communication            9600 bits/sec.

Protocol                    V.110 with CRC checksum

GPRS                        Class 8, class B

### Electrical data

Supply                      Internal 110/230 VAC or 24 VAC.  
The supply is mounted in the meter together with the module.

Power consumption

- idle                        < 2 VA
- transmission            < 4 VA

### Mechanical data

Temperature

- storage                    -20°C +60°C
- operation                +5°C +55°C

Relative humidity        < 95%, non-condensing

Mounting                    Is mounted as a module in module area 2 of MULTICAL® 801

Density                     IP67 mounted in MULTICAL® 801

### Marking/approvals

CE marking

EN 61600-6                EMC

CTR 19,20,31,32        GSM approval

MID approved for mounting in MULTICAL® 801

## Ordering

Is ordered as a module in MULTICAL® 801      670Z00000000