

Data sheet

GSM 6H module

- Fast and efficient remote reading of Kamstrup's heat and cooling meters, MULTICAL® 602, MULTICAL® 801, water meter MULTICAL® 62 and M-Bus Master
- 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

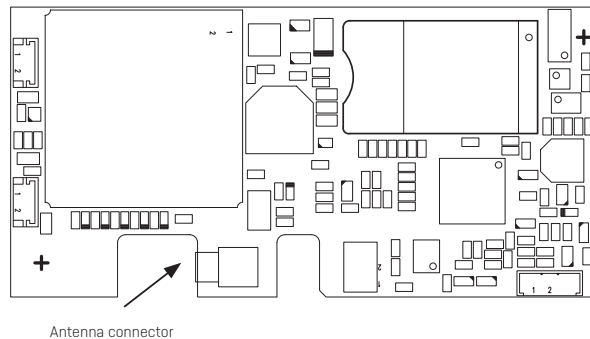


Application

The GSM 6H module is mounted directly in the module area of MULTICAL® 602, MULTICAL® 801, MULTICAL® 62 and M-Bus Master. 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.

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

Technical data

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® 602, MULTICAL® 801, MULTICAL® 62 and M-Bus Master
Density	IP67 mounted in MULTICAL® 602, MULTICAL® 801, MULTICAL® 62 and M-Bus Master

Marking/approvals

CE marking	
RoHS directive	
EN 61000-6-1	EMC directive
EN 61000-6-2	EMC directive
EN 61000-6-3/A1	EMC directive
EN 61000-6-4/A1	EMC directive
EN 301 489-1/52	General EMC and ERM requirements for radio equipment/ Specific EMC and ERM requirements for GSM and E-UTRA
EN 301 511	RED. Specific requirements for GSM
EN 301 908-1/13	RED. General requirements for IMT cellular radio network/Radio equipment directive: Specific requirements for E-UTRA
EN 62368-1	Security requirements
EN 62311	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields
TA-2012/187 + TA-2012/188	ICASA, South Africa

Ordering

Is ordered as a separate module for MULTICAL® 801	Top number:	670XXXXX.801
Is ordered as a separate module for MULTICAL® 602/62	Top number:	602XXXXX
Is ordered as a separate module for M-Bus Master	Top number:	670XXXXX.MBM

GSM 6H module

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