

ELSTER WATER METERS PR6M/PR7M

INDUCTIVE M-BUS COMMUNICATION MODULES

Part No. PR6M/PR7M

COMPATABLE WITH ELSTER PR TYPE INDUCTIVE COUNTERS

Designed with advanced bi-directional inductive technology helping to enhance the efficiency of network system management, leakage control and reading of water meters remotely.



M-Bus (Meter-Bus) is a European standard (EN 13757-2 physical and link layer, EN 13757-3 application layer) for the remote reading of meters. The M-Bus interface is made for communication on two wires, making it very cost effective. The M-Bus was developed to fill the need for a system for the networking and remote reading of meters.

| M-Bus Communication Module Standard Outputs | | | |
|---|--------------------------------|--------------|---|
| Part No. | Compatible Meters | Cable Length | Wiring Data |
| PR6M | V200, V210, C4000* | 2 M | Brown / White Connections are not polarity sensitive |
| PR7M | H4000, S2000, C4000**, C4200** | 5 M | |

* Low flow by-pass meter ** High flow main meter

| M-Bus Protocol Standard EN 13757 | | Additional Data | |
|----------------------------------|---|-----------------------------|--|
| Transfer Speed | 300 and 2400 Baud | Power Supply | Remote power supply from the M-Bus with automatic changeover to battery if the bus fails. 3.6V Lithium Battery (7-14 years life) |
| Addressing | Primary and secondary with wildcard | Environment | Indoor or outdoor use |
| Supported Function | FCB-bit, SNK_NKE, REQ_UD2, SND_UD, RSP_UD | IP Class | IP68 |
| Telegram | Long and short switchable | Operational Temp | -15°C to 70°C |
| Software | MBCONF Freeware | Humidity Range | Up to 100% |
| Write Protection | For important settings | Closed Circuit M-Bus | Typically 1.4mA, 1.5mA max. (1 standard load) |
| | | Bus Operation | 1.5mA (1 standard load), no battery load |
| | | Space (0 Bit) | Standby current + typically 13mA |
| | | M-Bus Interface | TI TSS721 with 2 x 2150Ω protective resistor |

| | |
|----------------|--|
| Content | 13 x Monthly volume with date |
| | 13 x Flow rate maximum values with date |
| | 13 x Leakage alarms |
| | Due date volume |
| | Date and time |
| | Alarm signals |
| | - battery |
| | - manipulation with date |
| | - backflow with date |
| | Pulse Value |
| | Momentary flow rate l/h or m ³ /h |
| | Flow rate calculation 1 min to 60 mins |
| | Back flow volume |
| | Decimal place |

M-Bus



fieldsmart technology



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