ICM-T F5 integreringsverk

Calculator for heating and cooling metering



Application

Mätarkontroll's ICM-T F5 calculator measures both heating and cooling consumption in a single unit. To measure energy consumption, the calculator is combined with a flow meter and a temperature sensor pair.

ICM-T F5 is MID type-approved as a billing meter for heat and complies with the European standard EN 1434. It has two module slots that can be fitted with modules for M-Bus, MODBUS, LON FTT10, analogue output or pulse output. The calculator is powered by 230 V AC or battery. The 8-digit LCD display shows accumulated energy consumption for heating and cooling with corresponding volume, plus instantaneous values for power, flow, flow and return temperature and temperature difference. A configurable memory register gives access to a large number of stored readings.

Features and benefits

- Fits a wide range of flow meters with pulse output (reed or OC)
- MID type-approved as a billing meter for heat (EN 1434)
- Measures heating and cooling in a single unit
- Two module slots, also a combination of different interfaces
- Interfaces: M-Bus, MODBUS, LON FTT10, analogue 0/4-20 mA, pulse
- Configurable memory register for stored readings

Technical specification

Type	Calculator for heating and cooling
Flow input	Pulse (reed or OC), 0.1 / 1 / 10 / 100 / 0.25 / 2.5 / 25 / 250 litres/pulse
Temperature sensors	Pt500 (Pt100 optional), 2 pockets
Display	8-digit LCD
Power supply	230 V AC or battery
Module slots	2
Type approval	MID (heat), EN 1434

Communication

M-Bus, MODBUS, LON FTT10, analogue 0/4-20 mA or pulse output. All modules except M-Bus require external power.