ICM-T CALEC ST III integreringsverk

Calculator for heating and cooling metering



Application

Mätarkontroll's ICM-T CALEC ST III calculator measures both heating and cooling consumption in a single unit and can be supplied configured for various coolant mixtures, for example glycol. To measure energy consumption it is combined with a flow meter and a temperature sensor pair.

ICM-T CALEC ST III is MID type-approved as a billing meter for heat and complies with the European standard EN 1434. It can be fitted with two communication modules for M-Bus, MODBUS, LON FTT10, analogue output or pulse output/input, and optionally wireless wM-Bus or LoRaWAN. Two different interfaces can be combined. The calculator is powered by 230 V AC. The 8-digit LCD display shows accumulated energy consumption for heating, cooling and volume plus instantaneous values for power, flow, flow and return temperature and temperature difference.

Features and benefits

- Fits a wide range of flow meters with pulse output
- MID type-approved as a billing meter for heat (EN 1434)
- Can be supplied for various mixtures, for example glycol
- Can be mounted clearly readable at hard-to-reach installations
- Several interfaces: M-Bus, MODBUS, LON FTT10
- Two configurable analogue outputs
- Wireless wM-Bus or LoRaWAN as an option

Technical specification

Type	Calculator for heating and cooling
Media temperature range	Heating 0 to +200 °C, coolant -40 to +180 °C
Temperature difference	3 to 199 K (heating), coolant 0 to 220 K
Coolant	Configurable for various mixtures (e.g. glycol)
Display	8-digit LCD
Power supply	230 V AC
Module slots	2 (can be combined)
Type approval	MID (heat), EN 1434

Communication

Mätarkontroll i Stockholm AB · Skarpnäcks Gårdsväg 4B, 128 31 Skarpnäck, Sweden · 08-644 68 70 · info@matarkontroll.se · reg.nr 556384-9149 · matarkontroll.se

- Two modules for M-Bus, MODBUS, LON FTT10, analogue output or pulse in/out. Wireless wM-Bus or LoRaWAN as an option.