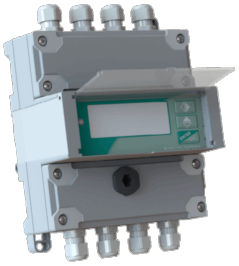
kerberos



KET-CCC-110

Applications

Accounting

ModBUS thermal energy counter in accordance with EN1434

- **4 frequency inputs and 1 analogue input for flow meter**
- **Couple of PT500 temperature probes**
- **Large graphic display**
- **Available in MID version**

KET-CCC-110 is a calculator with ModBUS RTU interface compatible with all types of flow meters: turbine, Woltmann, ultrasonic and electromagnetic.
The meter calculates heating and cooling consumption extremely accurately, also by means of an automatic switch. It is also useful for **cogeneration or trigeneration plants**.
It also acquires signals from cold/hot water sanitary meters or in any case traceable to impulsive and/or analogue inputs.
It has an F-RAM type **data logger** with permanent data storage capacity of up to one year.
Equipped with **PT500 temperature probes** selected in pairs, for the correct and necessary accuracy of the calculation.
The KET-CCC-110 is approved for "financial transactions" according to **EN 1434** as per European Directive 2004/22EG, available in MID version (MI-004).

Technical Features

General specifications	**Protection Range**: IP65 **Operative Temperature**: -5 ÷ +55 °C
Case	**Dimensions**: 125 x 179 x 68 mm (W x H x D) **Mounting**: DIN-rail **Required DIN modules**: 6 DIN modules **Electric Board Type**: Industrial **Material**: PC/ABS, Self extinguishing
Power supply	**Supply Voltage**: 100 ÷ 240 VAC (44-66 Hz) **Consumption**: 5 W **Connectors types**: Screw terminal
Datalogger function	**Memory Type**: F-RAM: permanent storage of data in case of power failure **Data Storage Capacity**: 12 months
Rs485 interface	**Supported Protocols**: ModBUS RTU **Connectors types**: Screw terminal
Inputs	**Digital Inputs**: 1 multifunction (totalizer reset, air conditioning, heating, auxiliary fluid volume) **Analogs Inputs**: One 4-20 mA input for heat carrier fluid flow measurement **Frequency Inputs**: 4 inputs (max. frequency 1 kHz, minimum 0.003 Hz): Heat transfer fluid volume, Cold water volume, Hot water volume, Auxiliary fluid volume (or digital input) **Temperature Sensors Inputs**: 2 (delivery/return)
Digital outputs	**Channels**: 2 programmable for alarms or pulses for energy/volume **Voltage Output**: 30 VDC (1250 Hz) @ 100 mA
Temperature sensor	**Sensor Type**: PT500 **Measure Range**: -30 ÷ +200 °C **Precision**: ±0.2% **Repeatability**: +0.1%
Certifications	**Referends Standard**: EN1434