



ModBUS thermal energy counter in accordance with EN1434

- High degree of protection
- Large graphic display
- Inputs for pulse, 4-20 mA, temperature probes and multifunction
- Available in MID version

**KET-CCC-100** is a device compatible with all types of flowmeters: turbine, Woltmann, ultrasonic and electromagnetic. The new counter allows to calculate the consumption of heating and cooling very precisely, with automatic switch also useful even for **cogeneration or trigeneration**. It has a Data logger up to one year and also acquires signals from meters sanitary hot/cold water or any other related to analog and/or pulse inputs. It can be used with **temperature probes** selected to pair, for the correct and required accuracy of the calculation, such as PT100/500/1000 from 2 to 4 wires. KET-CCC-100 is approved for the "financial transactions" in accordance with **EN 1434 (MID 004)** according to European Directive 2004/22EG - and can transfer data using standard protocols such as RS232, RS485, ModBus, BACnet, M-Bus.



APPLICATIONS
Accounting



MAGGIORI CONTENUTI ONLINE

TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	<b>Protection Range:</b> IP65 <b>Operative Temperature:</b> -5 ÷ +55 °C <b>Storage Temperature:</b> <b>Relative Humidity:</b>
CASE	<b>Dimensions:</b> 125 x 179 x 68 mm (W x H x D) <b>Mounting:</b> DIN-rail <b>Required DIN modules:</b> 6 DIN modules <b>Electric Board Type:</b> Industrial <b>Material:</b> Sealable PPO
POWER SUPPLY	<b>Supply Voltage:</b> 90 ÷ 265 VAC (45-65 Hz) optional 18 ÷ 63 VDC / 15 ÷ 45 VAC (45-65 Hz) <b>Consumption:</b> <b>Connectors types:</b> Screw terminal
DATALOGGER FUNCTION	<b>Memory Type:</b> F-RAM: permanent storage of data in case of power failure <b>Data Storage Capacity:</b> 12 months
RS485 INTERFACE	<b>Supported Protocols:</b> ModBUS RTU <b>Communication Rate:</b> <b>Isolation:</b> <b>Connectors types:</b> Screw terminal
INPUTS	<b>Digital Inputs:</b> 1 multifunction (totalizer reset, air conditioning/heating) <b>Analogs Inputs:</b> One 4-20 mA input for heat carrier fluid flow measurement <b>Frequency Inputs:</b> 3 inputs ( frequency max. 1 kHz , minimum 0.003 Hz): Volume of heat carrier fluid, Volume of cold water, Volume of hot water <b>Temperature Sensors Inputs:</b> 2 (delivery/return)
DIGITAL OUTPUTS	<b>Channels:</b> 2 programmable for alarms or pulses for energy/volume <b>Voltage Output:</b>
INTEGRATED FUNCTIONS	<b>Services:</b> Bi-directional; Dual range; Diagnostics; Energy Saving
TEMPERATURE SENSOR	<b>Measure Range:</b> -15 ÷ +200 °C <b>Precision:</b> ±0.2% <b>Repeatability:</b> +0.1% <b>Resolution:</b>
CERTIFICATIONS	<b>Referends Standard:</b> EN1434 <b>Approvals:</b> <b>Security:</b> <b>Metrology:</b>

