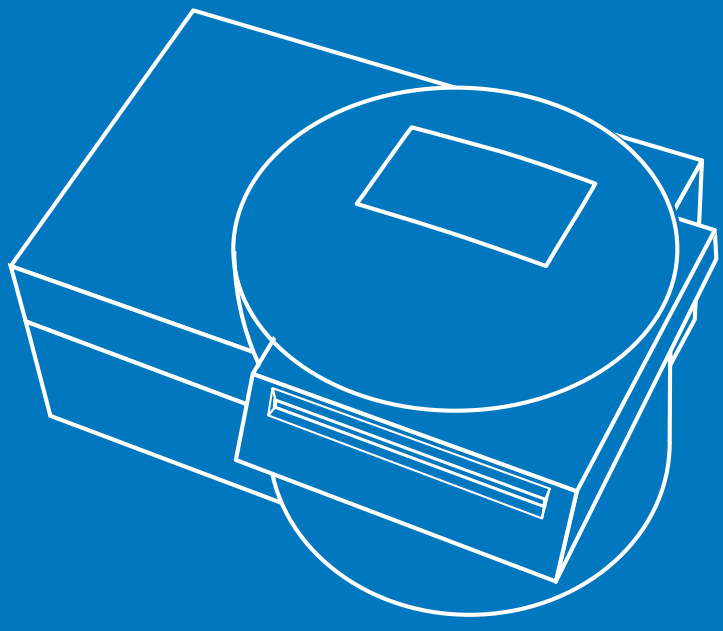




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877-566-3837

5202

**ISTEC Electronic Energy Meter
for Heating & Cooling Applications**



ISTEC
Flow Measurement & Control

Electronic Split Heat Meter with Smart Slot Interface



Heat/cold or solar?

Whether heat, cold or solar consumption measurement is required, the multifunctional 5202 from Istec combines all measuring requirements in one unit and offers maximum flexibility. The 5202 BTU meter was designed so that it can be used for recording heating, cooling, heating/cooling (Heat Pump Loop) and solar measurement.

Thanks to the modular design of the 5202 BTU meter, the calculation unit can be adapted to meet your desired conditions. We can customize the 5202 by modifying the electronics to meet your specific power supply or communication requirements. The following modules are available:

24 VDC power supply unit

A power supply unit for supplying the meter with power can be installed. This power supply unit contains an active REED pulse generator and an S0-interface as standard equipment.

Additional battery

An additional long-life battery with a service life of 10 years can be installed.

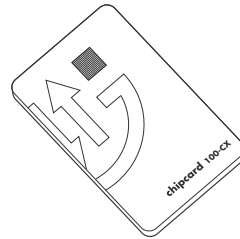
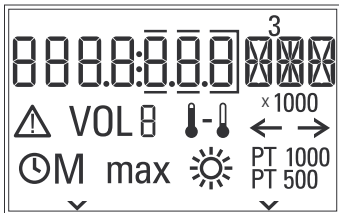
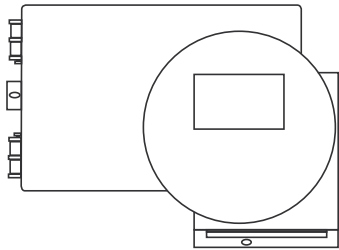
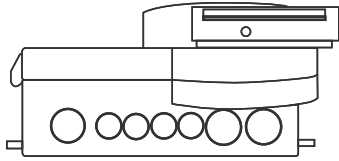
M-bus communications module

A M-bus module can be installed. The module is used for the level conversion of ISO7816 to M-bus in accordance with EN1434. Via the M-bus the meter is supplied with power.

REED pulse output

A REED pulse output can be installed in two different ways

- REED pulse output run off the battery
- REED pulse output on power supply unit



5202 BTU Meter overview:

Use:

- As heat meter
- As cold meter
- For solar measurement

Data transfer:

- Optical reading on display
- Reading out via chip card
- Reading out via M-bus central point

Power supply (optional):

- Long-life battery - 10 years
- Via M-bus central point
- 24 V operation

Overview of possible display values from software version T12 à V1.01				
Dummy Card (main display read-off)	(Service Display Sequence)			
	Heat Meter	Cold Meter	Pulse Counter 1	Pulse Counter 2
Standard display	Old value	Old value	Old value	Old value
LCD Test On	Prior value	Prior value	Prior value	Prior value
LCD Test Off	Max. temperature	Max. temperature	Current flow rate	Current flow rate
Pulse evaluation for energy meter	Min. temperature	Min. temperature	Billing day	Billing day
Power failure h	Temperature difference	Temperature difference	Pulse evaluation	Pulse evaluation
Cold meter	Volume	Volume		
Volume 1	Info code	Info code		
Volume 2	High res. power	High res. power		
Operating hours	Current energy flow	Current energy flow		
Card	Current volume flow	Current volume flow		
	Billing day	Billing day		
	Pulse evaluation	Pulse evaluation		
	Max. energy flow	Max. energy flow		
	Max. volume flow	Max. volume flow		

Data acquisition without entering the building

The 5202 BTU meter is easy to read and recording data is a snap. Thanks to the versatile smart slot interface, all you need to do is insert a SmartCard and the data is then transferred to it. To transfer the data to a PC just insert the SmartCard into the Chip Card Reader and the data is moved into an excel spreadsheet. The 5202 automatically stores the data by month and the past 13 months remain in memory.

Optimum value for the money

The 5202 is the ideal device for modern, individual heat-cost consumption recording. The modular system, simple installation and intelligent interfaces provide excellent value for your money.

Communications interfaces for every need

In addition to conventional data reading via the display, the innovative concept of the 5202 BTU meter also enables fully automatic data transfer with most desired modern modes of communication. The 5202's flexibility allows you to meet your users needs. Communication media, such as pulse output, M-bus or chip cards are used depending on the configuration. Thanks to the many options and the high level of automation, the 5202 BTU meter is economical to purchase and install. Its design configuration and development capabilities today ensure access to every mode of communication the future has to offer.

