EquaScan eHCA

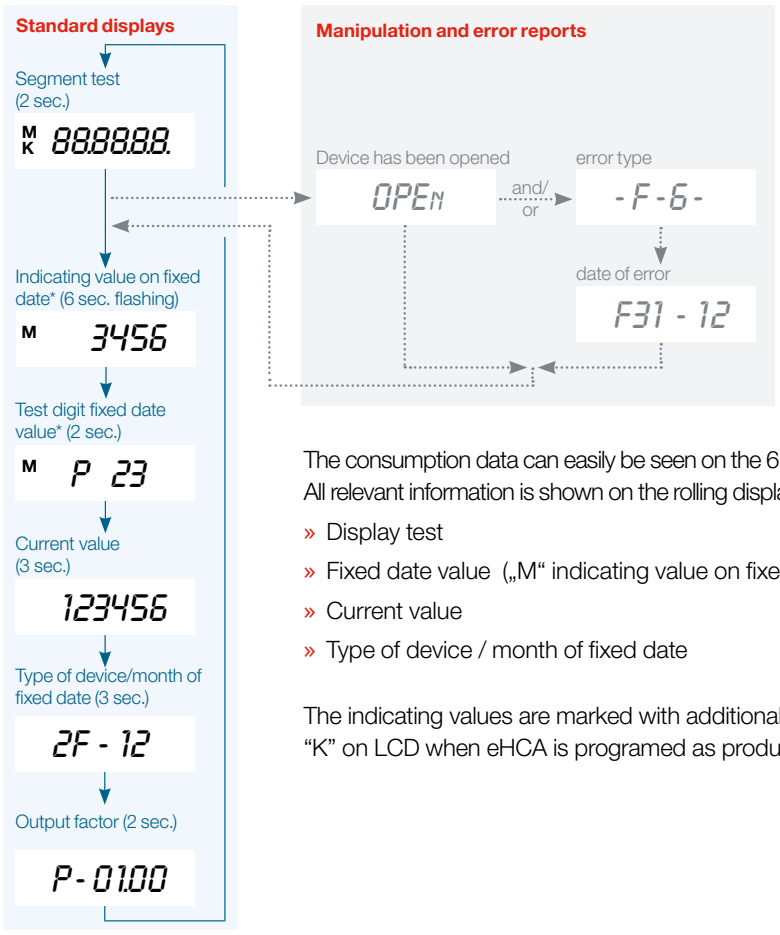
Electronic heat cost allocator with optional radio communication

The new electronic heat cost allocators from the Itron EquaScan system have been specifically developed by Itron to meet the diverse requirements of the independent billing service companies. The devices are especially designed to be installed quickly and easily, and cover almost all forms of use due to their range of functions. The optionally available bidirectional radio version makes these heat cost allocators ideal for comfortable mobile or automatic data collection. The Itron EquaScan System includes all components required for secure and comfortable radio transmission of thermal energy and water consumption data.

FEATURES

- 2-sensor device with high level of accuracy
- Mounting support is compatible with most welding stud positions
- Patented, fast and simple communication interface (inductive)
- Version with bidirectional year-round radio communication (WB, FN) available
- 18 monthly data sets
- Remote sensor can be attached on site

Rolling display



The consumption data can easily be seen on the 6 digit display. All relevant information is shown on the rolling display.

- Display test
- Fixed date value („M“ indicating value on fixed date)
- Current value
- Type of device / month of fixed date

The indicating values are marked with additional symbol “K” on LCD when eHCA is programed as product scale.

INDUCTIVE COMMUNICATION INTERFACE

The standard integrated communication interface enables heat cost allocator data to be gathered quickly and securely. All the relevant parameters of the electronic heat cost allocators can be programmed, such as product scales rating factors, the fixed date billing or the annual reset of indicating value.

In addition, the interface in connection with the EquaScan software enables high speed access to a variety of service extended data sets and status functions:

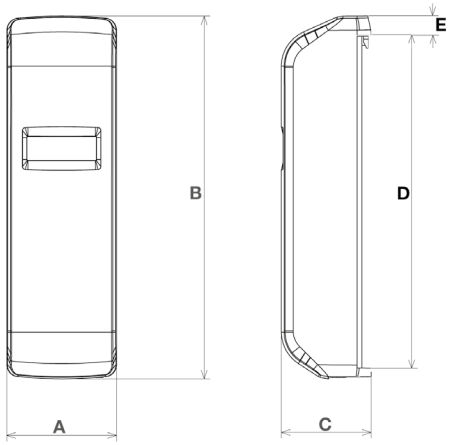
- Password protection
- 2 annual fixed dates
- 18 end-of-month indexes
- 18 mid-month indexes
- 18 monthly radiator temperature averages
- Remaining battery life time
- Error and manipulation reports

Inductive head

Technical data

Characteristics	
CE conformity	2004/108/EC, 1999/5/EC, 2011/65/EU, 2012/19/EU
Qualification approval in accordance with	EN 834 (HkVo) Approval no. C 3.01 / 2012
Protection class	IP43
Types of device	standard and radio
Versions of device	compact and remote sensor version
Power supply	3V lithium long-life battery
Battery life time (normal)	10+1 year
Display	Liquid crystal display (LCD)
Resolution	6 digits (00 00 00 ... 99 99 99)
Measuring principle	2 sensors
Scale	standard or product scale
Radiator thermal output	4-16.000 Watt
Range for heating systems	t_{min} 35 °C - t_{max} 105 °C (110°C remote sensor)
Operating range	-15 °C…+120 °C
Storage temperature	-25 °C …+60 °C
Radio specifications	
Protocol	EN 13757-3/-4 wireless M-Bus
Operating mode	C2 Mode
Frequency band	Tx 868,95 MHz Rx 869,525 MHz
Transceiver parameters	Transmitter: 10 dBm Receiver: -100 dBm

Dimensions



Dimensions	mm
A	37
B	122
C	30
D	111
E	7

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ALLMESS GMBH
Am Voßberg 11
23758 Oldenburg i.H.
Germany

Tel: +49 (0)43 61/62 5-0
Fax: +49 (0)43 61/62 5-250