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BATTERY VOLUME CONVERSION DEVICE

Model EK205

Product informations

EK205, battery-operated volume conversion device designed for applications on standard gas meters, this device calculates the gas volume on the basis of consumption data supplied by flow-proportional pulses from the connected meter and the measurements of gas pressure and temperature.

Product features

- it can be installed on any type of gas meters
- equipped with control panel with 4 buttons and LCD display
- two freely programmable transistor outputs and two digital inputs
- powered by a 3,6V lithium battery
- monthly, daily and measurement archive
- pressure sensor: type CT30 capacitive ceramic, flexible with M12x1.5 thread
- temperature sensor: 4-wire resistor type PT-500 conforming to EN 60751, class A
- IEC 62056-21 compliant optical interface for local configuration and readout
- integrated RS232 / RS485 interface
- *communication protocol IEC 62056-21, DLMS/COSEM, ASCII/RTU/TCP, SMS*
- *MID approval*
- *ATEX II approval*

Applications

- Calculation of converted volume according to EN12405
- Calculation of compressibility according to different calculation methods



Technical Features

CASE MATERIAL	PLASTIC POLYCARBONATE FOR INSTALLATION ON THE METER, ON THE PIPE OR ON THE WALL
DEGREE OF PROTECTION	IP65 (PROTECTED AGAINST JETS OF WATER PUMPED FROM ANY DIRECTION AND COMPLETELY HERMETIC AGAINST DUST AND FUMES) IN ACCORDANCE WITH EN 60529
POWER SUPPLY	1 LITHIUM BATTERY 3.6 V - CAPACITY 13 AH
PANEL CONTROL	4 BUTTONS
DISPLAY	BACKLIT LCD, MONOCHROME - H 128 PIXELS / W 64 PIXELS
INPUTS	TWO DIGITAL INPUTS
OUTPUT SIGNALS	2 TRANSISTOR DIGITAL OUTPUTS
ARCHIVES	<ul style="list-style-type: none"> • ARCHIVE FOR MONTHLY VALUES, CAPACITY: 24 LOGS • ARCHIVE FOR DAILY VALUES, CAPACITY: 600 LOGS • ARCHIVE MEASUREMENT, CAPACITY: 10,000 LOGS
DATA INTERFACE	OPTICAL INTERFACE IN ACCORDANCE WITH IEC 62056-21
ROOM TEMPERATURE RANGE	- 25°C ÷ + 55°C
HUMIDITY RANGE	0 ÷ 90%
PRESSURE SENSOR	TYPE CT30
SENSOR PRESSURE RANGE	0,8 ÷ 5 BAR / 2 ÷ 10 BAR / 4 ÷ 20 BAR
TEMPERATURE SENSOR	TYPE PT-500, 4-WIRE RESISTANCE - CLASS A
DIMENSIONS	140 X 160 X 88 MM (HXWXD) - WITHOUT CABLE GLANDS
WEIGHT	ABOUT 1.3 KG (INCLUDING BATTERY)

SKU	MODEL	PRICE
00000050558	VOLUME CONVERTER - MOD. EK205	ON REQUEST



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