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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

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

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



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