



Ultrasonic clamp-on thermal energy measurement kit

- No need to modify the system
- Easy and quick mounting
- Integrated temperature sensor
- Low consumption

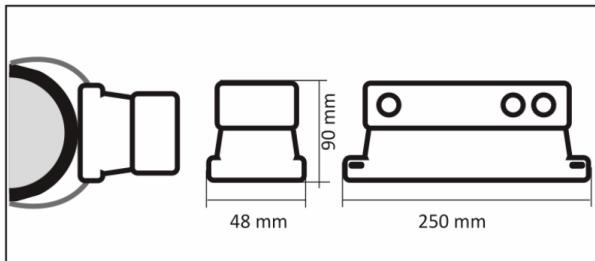
KET-KCO-310.000

Applications

Accounting

order code

KET-KCO-310.115



Technical Features

General specifications

Protection Range: IP54
Operative Temperature: 0 ÷ +50 °C
Storage Temperature: -10 ÷ +60 °C
Relative Humidity: MAX 90% not condensing

Case

Dimensions: 250 x 48 x 90 mm (W x H x D)
Mounting: Pipe mounting
Material: Self-extinguishing: UL 94 V-0

Power supply

Supply Voltage: 12 ÷ 24 VAC / VDC
Consumption: Max 7 VA
Connectors types: Screw terminal

Rs485 interface

Supported Protocols: ModBUS RTU
Communication Rate: 1.2 ÷ 38.4 Kpbs
Isolation:
Connectors types: Screw terminal

Digital outputs

Channels: Pulses with amplitude range 3 ÷ 99 ms
Voltage Output: 48 VAC @ 500 mA; isolated 2500 V

Temperature sensor

Measure Range: 0 ÷ +85 °C
Precision: PT100 Classe B
Repeatability:
Resolution: 0.1 °C

Flow meter

Principle of Operation: Ultrasonic based on transit time
Speed Range: 0.1 ÷ 10 m/s bidirectional
Resolution: ±50 ps
Repeatability: 0.5% of the measured value
Precision: 1-3% of flow reading for a flow rate >0.3 m/s
Measuring Frequency: 200 Hz
Response Time: 50 ms
Tube Diameter: DN 22 ÷ 115 mm or 125 ÷ 180 mm

Certifications

Referends Standard: 2014/30/EU, 2014/35/EU
Approvals:
Security: EN61010-1:2010, EN61326-1:2013, EN61326-2-3:2013
Metrology: EN1434