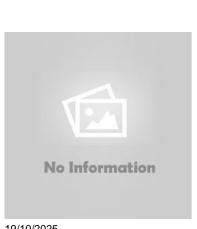
KET-MPA-000



	APPLICATIONS	
Accounting		







Flow meter for compressed air and gas insertion or inline

- Max pressure 16 bar
- Reliability of the measurement
- · Can be installed in a pressurised system without interruption of flow
- Non-return protection

The KET-MPA flowmeter is based on the thermal mass flow rate and is ideal for measuring the flow of compressed air

and gas.

Available as an insert for pipes from DN50 (2") to DN300 (12") or in-line for pipes from DN15 (1/2") to DN40 (1 1/2"). With the KET-MPA, the consumption of compressed air, nitrogen, CO2 or other non-corrosive and non-flammable gases can be measured up to a pressure of 16 bar (232 PSI).

The insertion flow meter can be mounted/disassembled under pressure without interruption of the flow, safely with

TECHNICAL FEATURES		
GENERAL SPECIFICATIONS	Protection Range: Inline: IP65 Operative Temperature: -20 ÷ +80 °C Storage Temperature: -20 ÷ +60 °C Relative Humidity: MAX 99% not condensing	
POWER SUPPLY	Supply Voltage: 18 ÷ 30 VAC / VDC Consumption: Max 200 mA Connectors types: Cable gland M16x1.5 (optional connector M12x1 8pol.)	
RS485 INTERFACE	Supported Protocols: ModBUS RTU Communication Rate: Isolation: Connectors types:	
ANALOG INPUTS	Channels: Analog Inputs: 4 - 20 mA for pressure sensor Precision: Resolution:	
DIGITAL OUTPUTS	Channels: Pulse of lenght 0.02 ÷ 2 sec Voltage Output:	
ANALOG OUTPUTS	Output Type: Voltage: 0 ÷ 10 V max. 1 mA; Current: 0 ÷ 20 mA and 4 ÷ 20 mA RL<500 Ohm	
RELE' OUTPUTS	Channels: Voltage Output: 44 VDC Maximum Rated Current: 500 mA Isolation:	
COMPRESSED AIR FLOW METER	$\label{eq:measurand: Volumetric flow at standard conditions acc. DIN 1343; P0 = 1013.25 mbar (14.7 PSI); T0 = 0 °C (32 °F) \\ \mbox{$Measure Range: Insertion: } 0.2 \div 200 \mbox{ Nm/s; Inline: varies according to DN, from } 0.32 \div 63 \mbox{Nm^3/s (DN15)$} to 2.26 \div 452 \mbox{Nm^3/s (DN40)$} \\ \mbox{$Accuracy: $\pm (1.5\% of measuring value + 0.8\% of full scale)$} \\ \mbox{$Temperature Coefficient: $\pm (0.1\% of measuring value / °C)$} \\ \mbox{$Pressure Coefficient: $+0.5\% of measuring value / bar$} \\ \mbox{$Response Time: $< 1 s$} \\ \mbox{$Tube Dlameter: Insertion: $\emptyset 50 \div 300 \mbox{ mm; Inline: $\emptyset 15 \div 40 \mbox{ mm}$} \\ \mbox{$Tobus 15 \div 40 \mbox{ mm}$} \\ $Tobus 15$	
CERTIFICATIONS	Referends Standard: EN61326-1, EN61326-2-3 Approvals: CE Security: Metrology:	