



IMR150

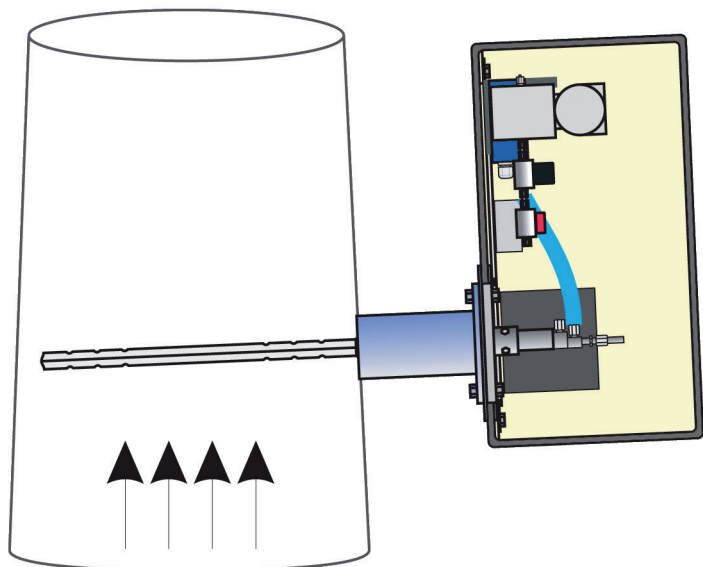
The Flow Monitoring System
for Industrial Applications

PRODUCT ADVANTAGES

- Back pressure probe (Pitot tube) and evaluation unit in one compact system.
- On-site diagnosis of the measuring values in graphic form on the built-in display.
- Display of values in m/s, mbar, m³/h and °C.
- Calculation to normalized volume.
- Easy installation.
- Output of values as 4 ... 20 mA signal.
- Almost maintenance free.
- The dynamic pressure probe IMR150 can be cleaned with the probe cleaning system PCS 03 in case of high dust contents.

IN-SITU VOLUME FLOW MONITOR

The continuous measurement of the mass flow (kg/h) of target substances in large combustion plants (European Directive 2001/80) is a requirement. The flow monitoring system IMR150 measures continuously flue gas velocity, volume and temperature to allow the calculation of the mass flow. The IMR150 is a compact system for easy installation and commissioning and is almost maintenance free.





TECHNICAL DATA

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Housing	Compact unit
Probe	Back-pressure probe with integrated Thermo couple Pt100
Measuring range Differential Pressure	0...10 mbar (depending on Δp -transmitter)
Measuring range Velocity	3...30 m/s
Measuring range Volume	0...3.000.000 m ³ /h
Measuring range Temperature	0...280 °C (temperatures up to 800 °C on request)
Media temperature	max. 280 °C (temperatures up to 800 °C on request)
Ambient temperature	-20 to +50 °C
Dew point difference	min. +5 K
Analogue outputs	3 x 4 ... 20 mA
Digital signals	Error, Limit 1/2
Weight	9.5 kg
Dimensions	440 x 640 x 1040 mm (W x H x D)
Power supply	230 /110 V/50-60 Hz, 24 VDC

The analyzer complies with EN 14181, TÜV approved. No. 936/21200495/A



DIN EN 14181

