



IMR100

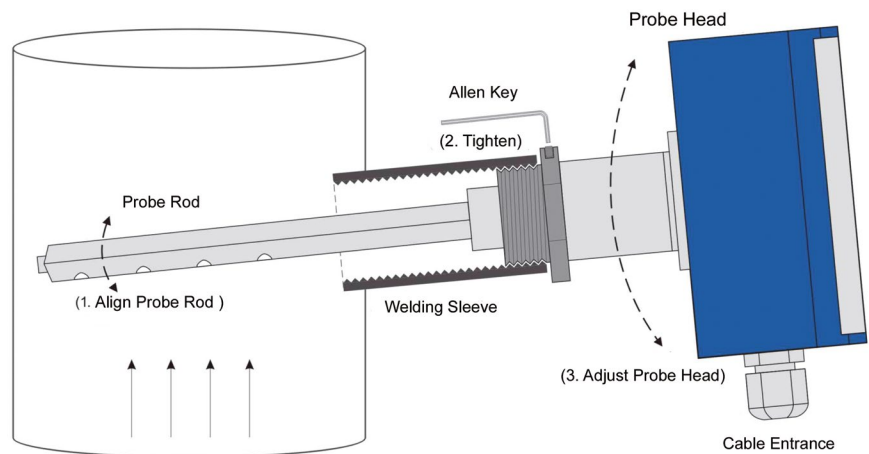
In-Situ Volume Flow Monitor

PRODUCT ADVANTAGES

- Back pressure probe 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
- Easy installation
- Output of values as 4 ... 20 mA Signal
- Almost maintenance free

IMR100

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 IMR100 measures continuously flue gas velocity, - volume and temperature to allow the calculation of the massflow. The IMR100 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 thermocouple Pt100
Measuring range Differential Pressure	0...10 mbar (depending on Δp -transmitter)
Measuring range Velocity	3...30 m/s
Measuring range Volume	0...1.000.000 m ³ /h
Measuring range Temperature	0...300 °C
Media temperature	max. 280 °C (higher temperatures on request)
Ambient temperature	-20 to +50 °C
Dew point difference	min. +5 K
Analogue outputs	2 x 4 ... 20 mA
Digital signals	Error, Limit 1/2
Weight	2,1 kg
Dimensions	160 x 130 x 550 mm (W x H x D)
Power supply	230/110V/50-60 Hz, 24 VDC

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



DIN EN 14181

