

Meet Your Process Demands with the Variable Area Flowmeter H250



Overview

The H250 metal variable area flowmeters cover the entire range of requirements of the process industry. The modular device design and flexible production structure form the basis for application and customer-based device versions.

The basis of the H250M40 is its purely mechanical design. Additional electronic modules can be added or replaced at any time without interrupting the process. This way, the functionality of the device adapts to any changed requirements. From analogue flow measurement without auxiliary power up to digital integration into a fieldbus system.

Simply screw off the cover, insert the module until it clicks, screw the cover back on and that's it. It is just as easy to replace the measuring scale in the event of a change in application.

Highlights

- Simple, low-cost installation: measurement and indication also without auxiliary power supply
- Modular scalability: from mechanical to analogue to fieldbus
- Universal Ex concept: Exi, Exec, Exd and Ext
- Suitable for use in safety-related SIL2 applications
- CFM application diagnostics for detection of float blocks and pulsation
- Any installation position: vertical upward, horizontal, vertical downward
- Robust measuring tube construction for high process temperatures and extreme operating pressures
- Choice of material: stainless steel, Hastelloy®, titanium, Monel®, Inconel®, PTFE/TFM etc.
- Many connection variants: flanged, screwed, clamped, weld-on ends etc.
- Extended measuring span: up to 100:1
- High application safety, even with extremely low flows
- Low Flow option down to full scale 1.5l/h/ 0.4GPH liquid or 16NI/h/ 0.6SCFH gas

Applications

- Nitrogen inerting to avoid explosive atmospheres
- Measurement of additives such as catalysts, tensides, anti-foaming and anti-corrosion agents
- Measurement of chlorine, sulphur and ethylene compounds
- Measurement of distilled or demineralised water
- Monitoring of lubricating and cooling agents for process pumps and rotating machines
- Monitoring of sealing systems on compressors
- Gas measurement for industrial furnaces
- Hygienic applications in the food industry and in pharmaceuticals





Krohne

H250 M40

Variable Area Flowmeter

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