

High Temperature Flow Measurement



detailed view of gauge type EBZ-HFM-AG

Especially in field of research and development and also in laboratory applications it is important to measure flow rates at high temperature levels. Also the reforming processes in SOFC fuel cell systems require flow measurement systems, which can work at high temperatures.

APPLICATION

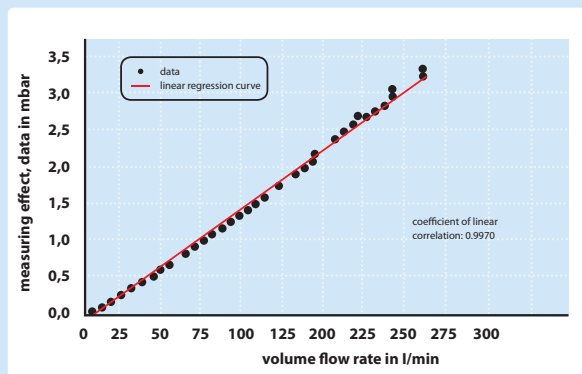
- fuel cell systems
- production of synthetic gases
- process engineering plants, chemical engineering
- air / gas - preheater
- research and development, laboratories
- blower control

KEY FEATURES

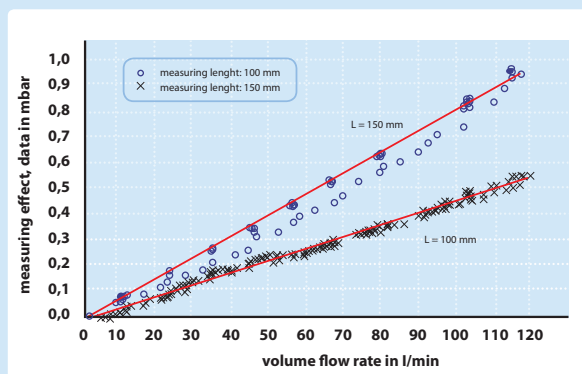
- compact and robust, low maintenance effort
- linear measuring effect
- application temperature up to 900 °C
- low pressure loss design
- high accuracy potential by using precise differential pressure sensors
- fast and uniform control behaviour - suitable for blower control
- compensation of variable fluid properties
- optimised inflow and outflow lengths

OPTIONAL

- special materials for housing
- 3 design variants
- geometry adjustment on customer demand
- integration with other EBZ modules



performance of gauge type EBZ-HFM-FB



example for adjustment measuring effect for gauge type EBZ-HFM-FB

type	$V_{Max} (l_{N,STP}/min)$	$T_{Max} (°C)$
EBZ-HFM-AG	< 20	900
EBZ-HFM-FB	< 1000	900
EBZ-HFM-FR	< 1000	900

