

Nivå och Flödesutrustning

(Itabar-Flow-Sensor type: IBF-100, Stack Gas Measurement)



Product Description

General about Itabar-Flow-Sensors

The Itabar flow sensors make it possible to measure the movement of gases, steam and liquids.

The sensor is distinguished by the following major engineering and applications features:

- * Suitable for measuring the flow of liquid and gaseous media.
- * Pipe diameters from 15 (1/2") to 12000 mm (40').
- * Materials: 316L / TP317LN / Hastelloy / Inconel / Titanium / Monel / Duplex / 314 / PVDF / A335 Gr. P1 / A335 Gr. P91.
- * Low assembly cost due to simple installation concept.
- * Excellent long-term accuracy.
- * Tested for suitability and approved for use in plants requiring certification as per editions 13 and 17 of the Federal Pollution Protection

Act and German Federal Air Quality Maintenance Standards; Inspection report no. 936/808008 + 936/8060114, issued by "T.V Rheinland" technical inspectorate.

- * All pressure ranges.
- * Low pressure losses in comparison with orifice plates (energy savings).
- * No moving parts.
- * Existing pipe does not need to be cut.
- * Accuracy plus or minus 1 % of measured value.
- * The measurement transmitter can be mounted directly, eliminating threaded fittings and pressure tap piping.
- * FloTap designs can be installed and removed under pressure (i.e. for cleaning).
- * Insensitively to water condensation and contamination.

- * Bi-directional measurement possible.
- * Operation temperatures: -100 C to +1200 C (-148 F to +2192 F).
- * Operating pressure: 0 to 420 bar (up to 6091 psi)
- * Volumetric flue gas measurement for stack gas scrubber plants; type IBF-100 sensors do not need to be removed from the stack for cleaning; stack diameter up to 12000 mm (472,44”).
- * Pipe can be round or rectangular.

Product Function

Itabar-Flow-Sensors type: **IBF-100** Stack Gas Measurement.

Special design for stack gas volumetric measurement. The IBF-100 flow sensor was developed especially for stack gas measurements. This flow sensor is engineered to be accessible from both ends so that mechanical cleaning can be undertaken if necessary without having to withdraw the sensor from the sleeve or the stack.

This design offers major benefits at pipe diameters of 600 mm (23,62 inch) and more. German Federal Air Quality Maintenance Standards Tested for suitability and approved for use in plants requiring certification as per Ed. 13 and 17 of the Federal Pollution Protection Act, Inspection Report No. 936/808008, issued by the TUV Rheinland Technical Inspectorate.

Level and Flow Measuring Management

