

Title (en)
MASS FLOW METER

Title (de)
MASSENDURCHFLUSSMESSGERÄT

Title (fr)
DEBITMETRE DE MASSE

Publication
EP 1889011 A1 20080220 (DE)

Application
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Priority
EP 2005005889 W 20050601

Abstract (en)
[origin: WO2006128483A1] The invention relates to a mass flow meter which operates on the Coriolis principle. A measuring tube (4) is mounted in a chamber (14), which is provided with at least two openings (9, 10) for directing the medium to and from the respective end (15, 16) of the measuring tube (4). The mounting of the measuring tube is arranged between the two tube ends (15, 16) at an axial distance from them. It is preferably at an oscillation node of the first bending mode. The mounting arranged at an axial distance from the tube ends has the advantage that thermal expansions have virtually no influence on the internal mechanical stress conditions of the measuring tube (4), and consequently scarcely influence the measurement result. The mass flow meter can be used with particular advantage for gaseous media.

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