

Title (en)

PROTECTIVE DEVICE FOR A MASS FLOW SENSOR DISPOSED IN AN AIR INTAKE CHANNEL

Title (de)

SCHUTZEINRICHTUNG FÜR EINEN MASSENDURCHFLUSSSENSOR IN EINEM ANSAUGLUFTKANAL

Title (fr)

UNITE DE PROTECTION POUR DETECTEUR DE DEBIT MASSIQUE PLACE DANS UN CANAL D'AIR D'ADMISSION

Publication

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Application

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Abstract (en)

[origin: WO0175402A1] The invention relates to a device for measuring at least one parameter of a flowing medium. The aim of the invention is to provide a device for measuring the mass of a flowing medium without liquid components transported along with the medium impairing the accuracy of the measured data. To this end, the inventive device (1) is provided with a deflector (25) disposed upstream of the measuring element (21) and at least partially enclosed by an outer ring (30). Said outer ring (30) configures a section within the outer ring (30), tapered in the direction of flow (18), adapted to deflect from the measuring element (21) by means of the deflector (25) any liquid components transported along in the flow (18). The invention is especially intended for measuring the mass of a flowing medium, especially for measuring the intake air masses of internal combustion engines.

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