

Title (en)
SENSOR UNIT FOR FLUIDS

Title (de)
STAUDRUCKSONDE

Title (fr)
UNITE DE DETECTION POUR FLUIDES

Publication
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Application
EP 06775703 A 20060713

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Abstract (en)
[origin: WO2007006297A2] The static pressure, the differential pressure, and the temperature must be known in order to be able to determine the mass flow rate, the volumetric flow under standard conditions, or the enthalpy flow of a fluid. According to the invention, said variables are detected by individual sensors located in an integrated unit, and the values detected by the individual sensors are then processed in an arithmetic unit that is also integrated. Said sensor unit outputs a value which also takes other parameters and/or physical constants into account to a control unit that is connected downstream, whereby some of the computing is advantageously done in the sensor unit while some load is relieved from the control unit.

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