

Title (en)
MAGNETIC-INDUCTIVE FLOW METER

Title (de)
MAGNETISCH-INDUKTIVES DURCHFLUSSMESSGERÄT

Title (fr)
DÉBITMÈTRE À INDUCTION MAGNÉTIQUE

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Application
EP 07729240 A 20070516

Priority
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Abstract (en)
[origin: WO2007135075A1] The invention relates to a device for measuring the volume flow or mass flow of a medium (11) penetrating a measuring tube (2) in the direction of the axis (3) of the measuring tube. Said device comprises a magnet system (6, 7; 17) which generates a magnetic field (B) that penetrates the measuring tube (2) and extends essentially perpendicular to the axis (3) of the measuring tube, at least one measuring electrode 4; 5) which is in contact with the medium (11) in a defined surface zone, and a control/evaluation unit (8) which provides data on the volume flow or mass flow of the medium (11) in the measuring tube (2) based on the measuring voltage induced in the at least one measuring electrode (4, 5). At least the medium-contacting surface area of the at least one measuring electrode (4, 5) is made of a chemically inert and electrochemically and mechanically resistant material.

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