Gas flow measuring devices
Ultrasonic gas flow meter, FLOWSIC600

FLOWSIC600 2plex
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The measuring device FLOWSIC600 is an ultrasonic gas flow meter for high requirements. The type FLOWSIC600 2plex combines a legal-for-trade gas meter (4 measuring paths) and a check flow meter (1 measuring path) in one meter body. The FLOWSIC600 2plex detects perturbations before they affect the measuring results of the fiscal metering. The compact design with concealed cabling provides a robust, trouble-free and low-maintenance system. The sealed ultrasonic transducers allow the application in dry, wet or corrosive gases. Due to the direct path layout, the signals are not reflected inside the device and thus not influenced by contaminations. This results in a high longterm stability and accuracy of the system. Adjustable impulse outputs or Modbus connections allow the further use of installed flow computers.

**At a glance**
- Direct 4+1-path layout without reflection of signals
- Bidirectional measurement without pressure loss
- Redundant measurement
- Hermetically sealed ultrasonic transducers made of titanium
- Wide measuring range up to 1:130
- Fully automated, extensive and intelligent self-diagnosis
- Integrated logbooks and data logs
- Simple operation and extensive diagnosis via operation software MEPAFLOW600 CBM

**Your benefits**
- Long-term stability and reliability due to integrated check flow meter
- Minimal sensitivity to pressure regulator noise and contamination
- Low maintenance requirements due to advanced, intelligent self-diagnosis (condition based maintenance, CBM)
- Easy-to-use software which supports all diagnostic features
- Low risk of hardware damage from overload
- Transducers can be replaced under operating pressure
- No mechanical wear

**Fields of application**
- Custody transfer applications in gas industry
- Onshore and offshore on drilling platforms or at transcontinental gas pipelines
- For municipal gas distribution networks and underground gas storage (bidirectional)
- Cryogenic gas applications down to -194 °C
- Also for process gases like N2, O2, H2, CO2, Cl2, ethylene, etc.
- for gases with high content of H2S like sour gas or biogas

**Note**
The exact device specifications and performance data of the product may deviate from the information provided here, and depend on the application in which the product is being used and the relevant customer specifications.
<table>
<thead>
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<th>Technical data</th>
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<tr>
<td>Measured values:</td>
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<td>Gas velocity</td>
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<td>Gas volume</td>
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<td>Sound velocity</td>
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<td>Volumetric flow</td>
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<td>Max. number of measurands:</td>
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<td>Measuring ranges:</td>
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<td>Gas flow rate:</td>
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<td>Comment:</td>
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