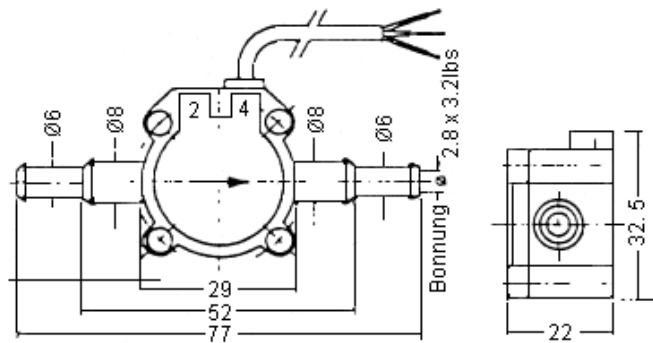


Flow Transducer



Dimensions:



Dimensions : Millimetres

Technical Specifications:

Metering principle	: Velocity counter.
System	: Hall effect sensor, touchless reading.
Output signal	: Square wave pulses from open collector TTL, CMOS and LSI compatible.
Flow direction	: Bi-directional (but higher precision at indicated direction).

Flow Range:

Minimal	: 3.0L/Hr.
Maximum	: 100L/Hr.
Frequency	: 22Hz at 10L/Hr : 45Hz at 20L/Hr : 133Hz at 60L/Hr.

All information relates for H₂O at 22°C.

Specifications:

Viscosity range	: ca. 1 to 10cSt.
Sensor to sensor variation	: ±5%.
Signal reproducibility	: ±5% at the same working condition.
Operating-/bursting pressure	: 10 bar/>30 bar (at 22°C).
Temperature range	: -26°C to +85°C.
Pressure drop	: 0 to 1 bar (over range at 1cSt).
Orientation	: As desired (however, most sensitive at low ranges when installed vertically with flow upwards).
Power supply	: 4.5 to 24V dc, current consumption maximum 15mA at 24V.
Cable type	: Screened cable.
Cable connection	: White or red = V+ : Brown or blue = Output-signal : Screen = 0V.
Body material	: POM (hostaform C) body and rotor, SS shaft and ceramic magnets.
Weight	: 75g approximate (including cable).

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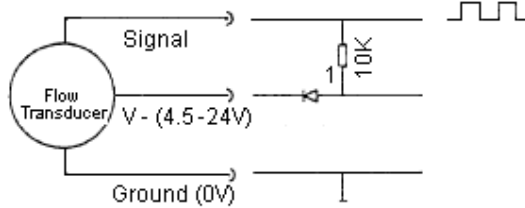


Flow Transducer



Recommended Connection:

Attention
Wrong connection
destroys the flow
transducer



Typical applications:

- Automotive fuel monitoring devices.
- Fuel/oil, water metering.
- Low cost flow alarm systems.
- Low cost educational systems.
- Dosing systems, e.g. agricultural spraying.

Part Number Table

Description	Part Number
Flow Sensor, Liquid	S8011R

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