



- Several measuring ranges up to 2500 kPa (25 bar)
- Output signal 0...10 V DC or 4...20 mA
- Highly durable in most environments

Function

The transmitter consists of a sensor housing of stainless steel and a ceramic membrane. Resistors in thick film technology are applied to the membrane. As pressure affects the membrane, it results in a change of resistance depending on the bending of the membrane, and this is then converted into a proportional output signal by means of the built-in electronics.

The construction, incorporating only one moving part and a direct signal from the membrane, offers a high level of accuracy and a short response time. The properties of the membrane also ensure good stability is maintained over time, as well as a low temperature dependency.

Component overview

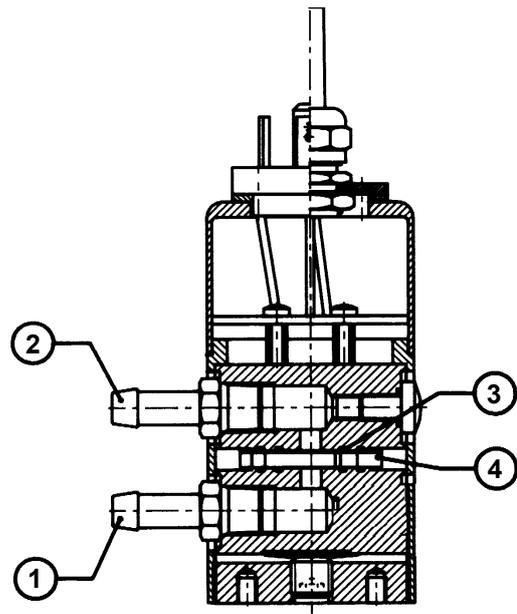
1. P1 Higher pressure/lower vacuum
2. P2 Lower pressure/higher vacuum.
3. O-ring seals
4. Ceramic membrane

DTK

Differential pressure transmitter for liquids and gases

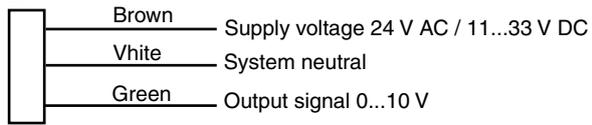
DTK is a transmitter for measuring differential pressure in liquids and gases. The method of measurement using a ceramic membrane gives a high level of accuracy and stability over a long period.

- Can withstand overpressure of up to 6 times the measuring range (depending on model)
- Accuracy <1.25% of measuring range
- Excellent long-term stability and low temperature dependency

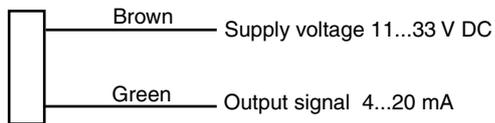


Wiring

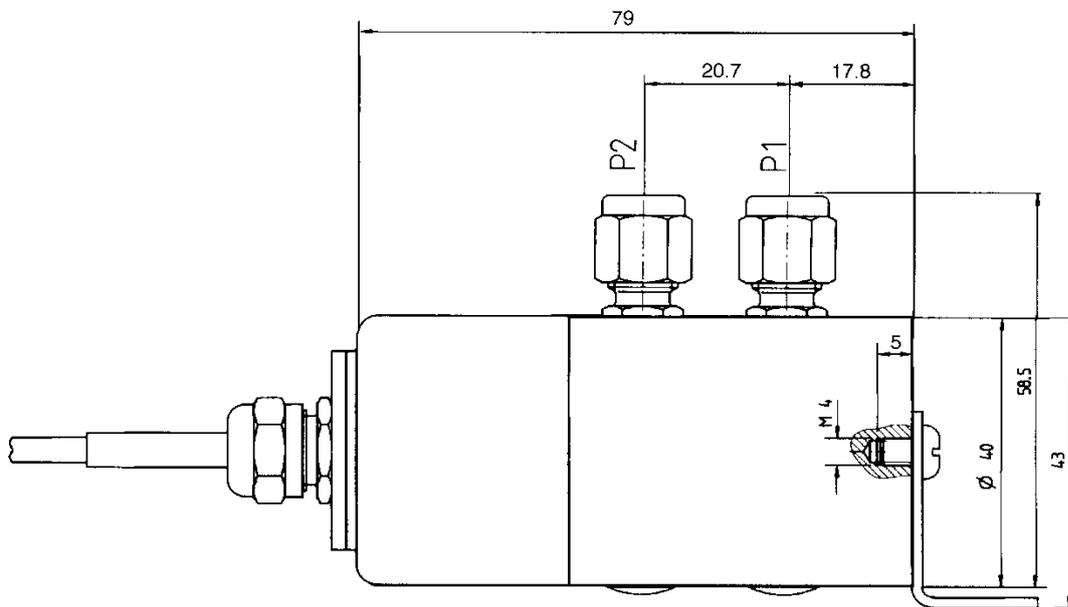
DTK...



DTK...-420 (two wire)



Dimensions



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