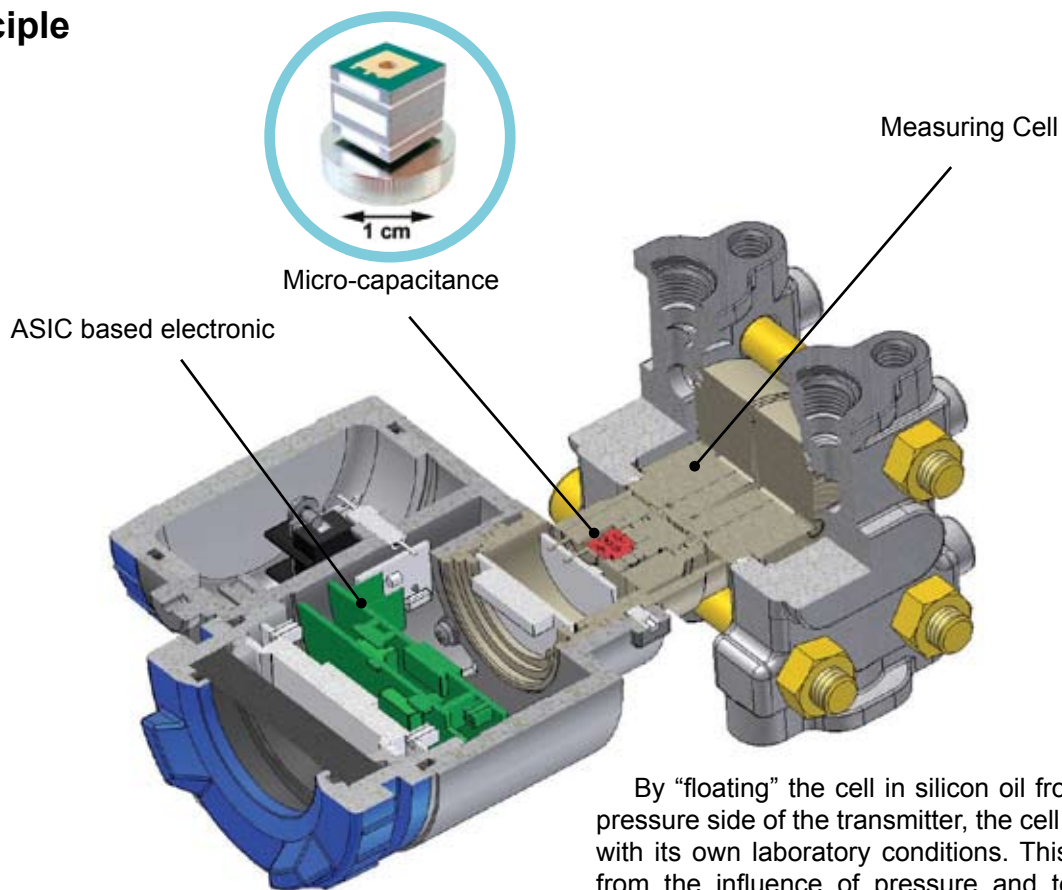






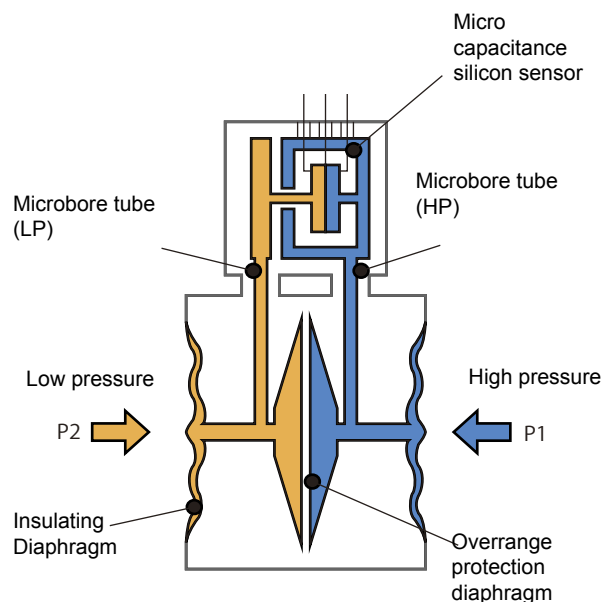
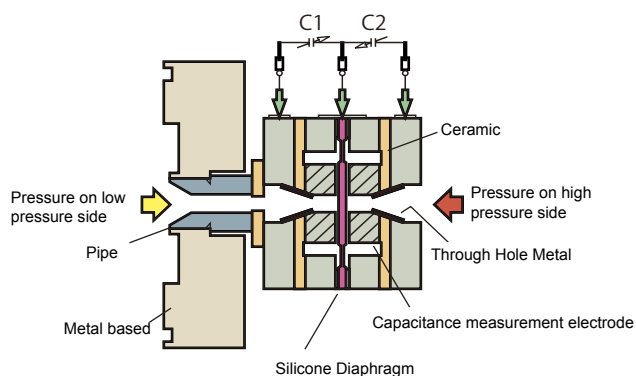
## Principle



By “floating” the cell in silicon oil from the high pressure side of the transmitter, the cell is provided with its own laboratory conditions. This isolates it from the influence of pressure and temperature fluctuations. By using microbore technology the volume of silicone oil is minimised, which further reduces the influence of temperature on the pressure measurement.

## Features

The micro machined silicon sensor is based on two capacitance values that change when differential pressure is applied. This technology minimises the influence of temperature fluctuations on the differential pressure measurement.



Keeping things “micro” reduces environmental influences.

The combination of micro machined silicon and “floating” cell technology gives us the ability to provide you with DP transmitters that can cope with static pressures of **up to 1035 Barg, 0.04% accuracy and 10-year stability.**

# Specifications

## Common Specifications

Diaphragm materials	SS316L, hastelloy-C, monel, tantalum, zirconium, titanium, double coated with gold and ceramic
Elevation/suppression	-100 to +100%URL
Span measuring range	100 to 1/100 URL
Liquid contacting temperature	-40 to 120°C
Ambient temperature	-40 to 85°C
Output signal / Allowable load resistance	DC 4 to 20mA / 600 Ohm
Supply voltage	DC 10.5 to 45V
Long-term stability	±0.1% URL/10 years
Explosion-proof specification	Flameproof, intrinsic safety type
Mounting method	50A pipe mounting, direct mounting
Weight	2.9Kg (standard unit)

## Differential Pressure (flow) transmitter

Type	FKC (or FKD with remote seal)
Measuring span	1/6/32/130/500/3000/20000 kPa
Maximum static pressure	2/10/16/30/42 MPa
Measuring accuracy	Up to ±0.04% Standard: ±0.065%



## Pressure (gauge) transmitter

Type	FKG, FKP or FKB with remote seal
Measuring span	130/500/3000/10000/50000 kPa
Maximum test pressure	1/1.5/9/15/75 MPa
Measuring accuracy	Up to ±0.04% Standard: ±0.065%



## Absolute pressure transmitter

Type	FKA, FKH or FKM with remote seal
Measuring span	16/130/500/3000 kPa
Maximum test pressure	0.5/1.5/9 MPa
Measuring accuracy	Up to ±0.1% Standard: ±0.2%



## Level transmitter

Type	FKE
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Fuji Electric

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