

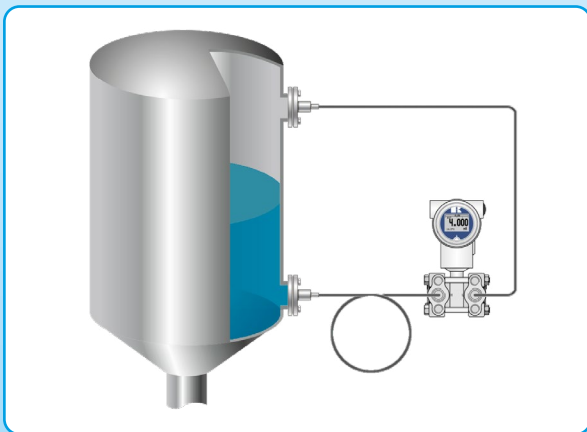




KLAY DIFFERENTIAL PRESSURE TRANSMITTER APPLICATIONS:

Series DP-4000

The DP-4000 is an Intelligent differential pressure transmitter with a compact and rugged **Stainless Steel electronics housing**. The calibration / programming can be done very easy without test pressure by using the **programming button** together with the **Graphic display** with backlight. For flow measurement a square root function is built-in with adjustable cut off point. The output is 4-20 mA including HART protocol. For use in hazardous areas both ATEX  Ex ia and IECEx  approvals are available.



DP-4000 with diaphragm seals:

For dP applications like **level measurement in closed pressurised tanks** a DP-4000 with diaphragm seals is available. Various process connections are available like Flange, Milkcoupling or Tri-clamp. Capillary tube attachments are available in various lengths with different oil fillings.

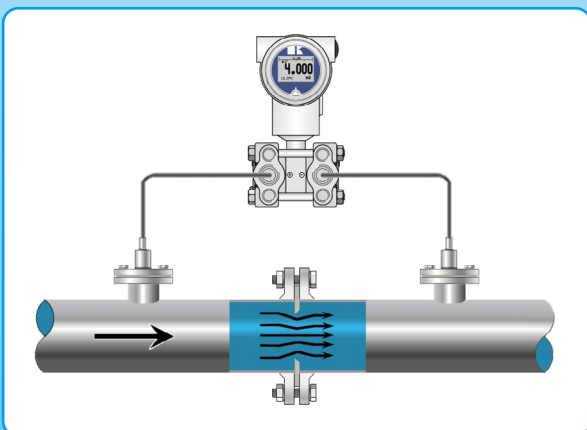
Diaphragm seal process connections:

- ▶ Flange (DN 50 to DN 100 (2" to 4")
(Option with extension)
- ▶ Milkcouplin g DN 50 to DN 80
- ▶ Tri clamp 2" to 4"



Wetted parts are standard SS 316L,

option: Hastelloy C, Tantalum, Titanium, Gold plated, etc.



Flow measurement using DP-4000 with primary elements:

Differential pressure / flow transmitters are used in many industrial applications.

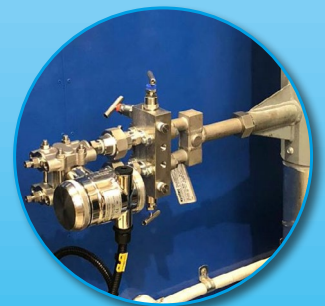
Most used primary flow elements are **orifice plates** and **pitot tubes**.

The differential pressure generated by the primary element is normally transformed into an electrical (4-20 mA) signal proportional to the flow rate by the differential pressure transmitter. The Klay DP-4000 has as standard a **built-in flow square root function with adjustable cut off point**.

Accessories for DP-4000

Klay offers various accessories for the DP-4000:

- ▶ Manifold 3-way and 5-way
- ▶ 2" mounting bracket
- ▶ Oval flanges (1/2"NPTf)



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