

PONDUS INSTRUMENTS AB



Application PT600 two sensor
Removable during production

Application level measurement in a close tank.

static pressure inside the tank is -10 to $+10$ mH₂O.
Tank height 10 meters, media liquid 80...110 °C.

The user search for a better solution.

- Simplify maintenance and replacement of pressure sensor.
- Replacement without stop in production or need to empty the tank during exchange of pressure sensors.

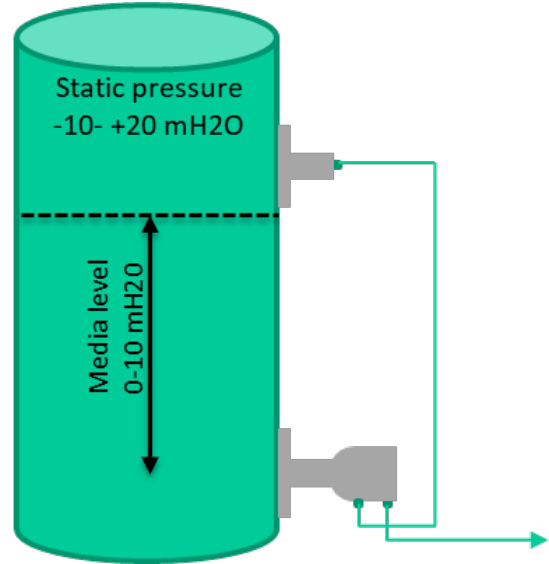
Pondus solution.

PT600 differential level measurement, two sensor digitally linked together and process connection removable during operation.

Customer comments:

Pondus solutions gave us much better measurement and better up time. It is very easy to replace one sensor and configuration is stored in Mep7 Modbus tool, download from file install done.

The lifetime is 2-3 times longer than previous solution and the total installation and maintenance cost is much lower. We will standardise with this solution.



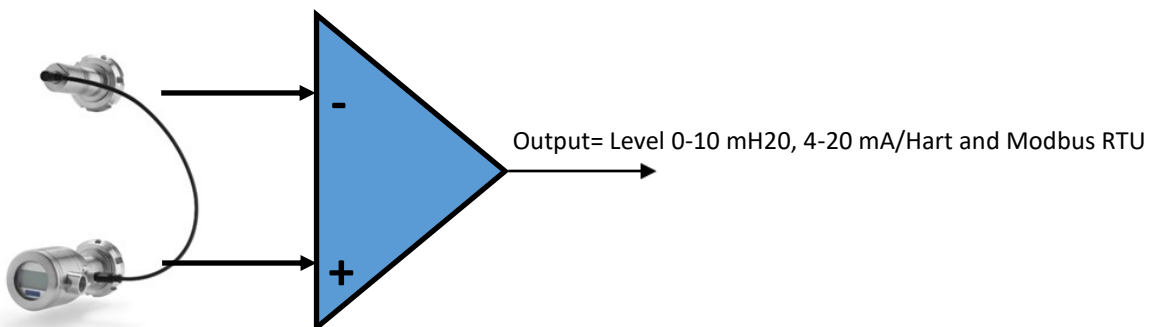
PT600 with Process Connection removable during operation complete kit with ball valve and welding stud

Functional description.

Two pressure sensors are digitally linked together over RS485 Modbus RTU protocol. The measurement system consist of two pressure sensors and the advanced display D10RSH.

The two pressure sensors are slaves and display D10RSH is Master. D10RSH computes the differential pressure and transmits the physical output as 4-20 mA, Hart and Modbus RTU.

Low pressure side=Static pressure (-10 + $+20$ mH₂O)



High pressure side= Static pressure (-10 + $+20$ mH₂O) + Media level (0-10 mH₂O)