

Hydrostatic Level Transmitter



Description

The hydrostatic borehole level transmitters are designed to measure the level of clean or contaminated liquids. The pressure sensor at the bottom of the probe measures the hydrostatic pressure of the liquid column above it and compares with the atmospheric pressure. The atmospheric pressure is led to the sensor through a breathing capillary which is equipped with a moisture filter that prevents the moisture reaching the electronics and decreasing the accuracy of the measurement. This enables the atmospheric pressure to be subtracted from the measured pressure to get the hydrostatic pressure which is proportional to the height of the liquid column (h).

Technical Data

TYPE	2/3 WIRE INTEGRATED
MEASURING VALUE	LEVEL, PRESSURE
SENSOR MATERIAL	CERAMIC / STAINLESS STEEL
MEASURING RANGE	0 – 200M
OUTPUT SIGNAL	4-20mA
COMMUNICATION	HART
PROCESS TEMPERATURE	-25 °C ... +125 °C
AMBIENT TEMPERATURE	-40 °C ... +70 °C
INGRESS PROTECTION	IP65/IP68
PROCESS CONNECTION	THREADED / PIPE COUPLING / TRI CLAMP