



HYDROSTATIC LEVEL INDICATOR

Hydrostatic level measurement is a simple and reliable method of measuring level. A submersible pressure sensor, regular pressure sensor or pressure gauge is lowered to or mounted at a specific depth (zero level). The sensor then measures the pressure caused by the weight of the liquid directly on top of it. Due to the hydrostatic paradox, the pressure sensor does not measure the complete volume in the tank above it, but only the liquid column vertically above it. The hydrostatic level measurement is thus completely unaffected by the shape of reservoir or vessel, just measuring the level by the weight of the liquid column above it. If the liquid and its specific gravity are known, the pressure measurement can be calculated as the distance from the zero level, where the sensor is located, to the surface of the liquid.

SPECIFICATIONS :

Measurement form and range	0 - 1 - 200mH ₂ O
Allow overload	2 times full scale pressure
Operating temperature	-20 - 80 °C
Temperature drift coefficient	0.01% FS (typical, range is not less than 5mH ₂ O)
Power supply	15 - 36 VDC (calibration voltage 24VDC)
output signal	(4 - 20) mA (two / three wire system)
cable	Special waterproof breathable cable
Protection level	IP68 (pressure sensor part), IP65 (junction box transmitter part)
Shell material	Aluminium Alloy

