DT DUTCOTENNANT LLC
Fax: +97142236193
Send us a mail: info@dutcotennant.com
Call us on: +97142236193
Address: Dutco Tennant LLC, PO Box 233, Dubai, U.A.E

Hydrostatic Pressure Transmitter

Description

Hydrostatic pressure transmitters operate in 2-wire systems and convert relative or absolute pressure (input signal) into 4-20 mA (output signal). The piezoresistive sensor measures the hydrostatic pressure and it compares the water head with the actual atmospheric pressure. The sensor is protected by a stainless steel flush diaphragm which transfers the pressure value to the piezoresistive sensor through silicon oil. Intelligent electronics provides on-site programming with plug-in display or remote programming with HART communication. Intrinsically safe (Ex ia approved) models are available for use in hazardous environments. Hydrostatic gauge pressure transmitters are suitable for pressure measurement tasks in tanks, vessels and pipes especially in food and beverages industry (for example milk and any other food dollops) applications. The flat surface of the diaphragm avoids the risk of material build up and the maximum medium temperature of 125 °C (275 °F) allows proper (CIP) cleaning required by the regular cleaning processes of the food industry and similar hygienic applications

Technical Data

MEASURING RANGE MIN. MAX.	-1…400 BAR
PROCESS TEMPERATURE	-25 °C…+125°C
ACCURACY	UPTO 0.25% OF ADJUSTED SPAN
PROCESS CONNECTIONS	AS PER ORDER CODES
OUTPUT	4-20 MA 2-WIRE, OPTION HART PROTOCOL
ADJUSTMENT	WITH 3 PUSH BUTTONS AND DISPLAY, WITHOUT TEST PRESSURE
POWER SUPPLY	12 – 36 VDC (EX: 12 – 26,5 VDC)
PROTECTION	IP65
AMBIENT TEMPERATURE	-20 °C…+70 °C
DIAPHRAGM MATERIAL	CERAMIC SENSOR
SEALING	VITON O-RING (STANDARD) OTHER MATERIALS ON REQUEST
WETTED PARTS	AISI 316
ELECTRONICS HOUSING	AISI 304, OPTION AISI 316
CERTIFICATES/APPROVALS	ATEX X II 1G EEX IA IIC T6…T4