

Differential Pressure Transmitter



Description

With the high-performance differential pressure transmitter with compact and robust Stainless steel electronics housing, the calibration / programming can be done very easy without test pressure by using the Unique One Touch programming button together with the Graphic display with backlight. The multilingual graphic display can indicate a number of chosen engineering units including the process temperature as well as the mA output in a bar graph. Damping times can be adjusted and a 4-20 mA current simulation can be performed. For flow measurement a square root function is built-in with adjustable cut off point.

Technical Data

MEASURING RANGE MIN. MAX.	10 MBAR...20 BAR
STATIC PRESSURE	MAX. 160 BAR OPTION 250 BAR
PROCESS TEMPERATURE	-20 °C...+100 °C
ACCURACY	0,075 % OPTION 0,065 %
PROCESS CONNECTIONS	PROCESS CONNECTIONS
TURN DOWN	MAX. 100:1
OUTPUT	4-20 MA 2-WIRE + HART PROTOCOL (VERSION 7.0), PROFIBUS PA
ADJUSTMENT	WITH PROGRAMMING BUTTON AND DISPLAY, WITHOUT TEST PRESSURE OR WITH HART
DISPLAY	MULTILINGUAL, WITH BARGRAPH, BACKLIGHT AND PROCESS TEMPERATURE READING
POWER SUPPLY	12 – 36 VDC (EX: 12 – 30 VDC)
PROTECTION	IP66 (OPTION IP68)
AMBIENT TEMPERATURE	-20 °C...+70 °C
DIAPHRAGM MATERIAL	AISI 316L, OPTION HASTELLOY C, TANTALUM OR GOLD PLATED
WETTED PARTS	AISI 316L, OPTION HASTELLOY C
MATERIAL SENSOR GASKET	VITON, OPTION PTFE OR NBR
ELECTRONICS HOUSING	AISI 304, OPTION AISI 316
CERTIFICATES/APPROVALS	EXPLOSION SAFETY: ATEX EX-IA AND IECEx EX-IA (OPTIONAL T5 AND T6)