

Differential Pressure Transmitter DDPT

Differenzdruck Transmitter



DDPT is designated for measuring differential pressures in the air and in nonaggressive gases. The transmitter can be applied in the fields of pneumatics, process engineering and building services engineering. Among others, applications are the supervision of air canals, filters or ventilators.

As a result of comfortable handling, it is possible to change over the measuring ranges and to return to zero position after installation. Thus, offset errors can be compensated by the mounting position.

The transmitter provides 0...10V voltage output or 4...20 mA current loop. It can be delivered with or without 4-place LCD-display.

Output: 0...10 V

Supply: 14 ... 30 Vdc / 24 Vac

Output: 4 ... 20 mA

Supply: 12 ... 30 Vdc

Measuring ranges: 100 ... 5000 Pa.

Accuracy:

Linearity error: $\leq \pm 1\%$ FS

0 ... 100 Pa $\leq \pm 2\%$ FS

Total error: $\leq \pm 2.5\%$ FS

0 ... 100 Pa $\leq \pm 5\%$ FS

Typical overall error at 25 ° C

$\leq \pm 0.4\%$ FS

Process connection: hose nipple diameter 4mm

Cable conding : M16

Housing: 52x50x35 mm IP 65

PC grey / transparent



Typ	Description	Order Code
DDPT 20.100	Differential Pressure Transmitter 100 Pa 0...10V 1 mbar	9102008
DDPT 20.500	Differential Pressure Transmitter 300/500/1000 Pa 0...10V 3/5/10 mbar	9102009
DDPT 20.2500	Differential Pressure Transmitter 1200/2500/5000 Pa 0...10V 12/25/50 mbar	9102010
DDPT 20.100.D	Differential Pressure Transmitter 100 Pa 0...10V with Display 1 mbar	9102011
DDPT 20.500.D	Differential Pressure Transmitter 300/500/1000 Pa 0...10V with Display 3/5/10 mbar	9102012
DDPT 20.2500.D	Differential Pressure Transmitter 1200/2500/5000 Pa 0...10V with Display 12/25/50 mbar	9102013
DDPT 10.100	Differential Pressure Transmitter 100 Pa 4...20mA 1 mbar	9101006
DDPT 10.500	Differential Pressure Transmitter 300/500/1000 Pa 4...20mA 3/5/10 mbar	9101007
DDPT 10.2500	Differential Pressure Transmitter 1200/2500/5000 Pa 4...20mA 12/25/50 mbar	9101008
DDPT 10.100.D	Differential Pressure Transmitter 100 Pa 4...20mA with Display 1 mbar	9101009
DDPT 10.500.D	Differential Pressure Transmitter 300/500/1000 Pa 4...20mA with Display 3/5/50 mbar	9101010
DDPT 10.2500.D	Differential Pressure Transmitter 1200/2500/5000 Pa 4...20mA with Display 12/25/50 mbar	9101011