

DPT7000 Series

Differential Pressure Transmitter

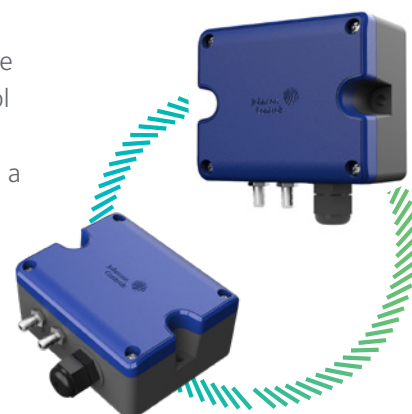


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DPT7000 Series Differential Pressure Transmitter

Johnson Controls DPT7000 series differential pressure transmitter can be used to measure the differential pressure of fan and filter as well as the gauge pressure of the space, and transmit the value to DDC or PLC, commonly used for monitor and control HVAC system, VAV system and dampers etc. The minimum measurement range is 0~10Pa and the maximum measurement range is -10000~10000Pa in order to meet a variety of different application requirements.



Feature

- Adjustable measurement range
- Long Lifecycle
- Adjustable multiple parameters
- Dual output with 0-10v&4-20mA
- Good long-term stability



Naming Rule

DPT7000	DPT7000 Series Differential Pressure Transmitter		
Output	G:General type: 0-10v&4-20mA output		
	C:Current type:4-20mA output with 2 wire		
DP Range	100:-100~100Pa		
	200:-1000~1000Pa		
	300:-10000~10000Pa		



Selection Table

Part Number	Measurement range	Output
DPT7000G100	-100~100Pa (adjustable)	General type: 0-10v&4-20mA
DPT7000G200	-1000~1000Pa(adjustable)	General type: 0-10v&4-20mA
DPT7000G300	-10000~10000Pa(adjustable)	General type: 0-10v&4-20mA
DPT7000C100	-100~100Pa(adjustable)	Current type: 4-20mA (2 wire)
DPT7000C200	-1000~1000Pa(adjustable)	Current type: 4-20mA (2 wire)
DPT7000C300	-10000~10000Pa(adjustable)	Current type: 4-20mA (2 wire)

Part Number	Default factory setting	Measurement Range 1	Measurement Range 2	Measurement Range 3	Measurement Range 4	Measurement Range 5
DPT7000G100	-100~100Pa	0~10Pa	0~25Pa	0~50Pa	0~75Pa	0~100Pa
DPT7000C100		-5~5Pa	-12.5~12.5Pa	-25~25Pa	-37.5~37.5Pa	-50~50Pa
DPT7000G200	-1000~1000Pa	0~100Pa	0~250Pa	0~500Pa	0~750Pa	0~1000Pa
DPT7000C200		-50~50Pa	-125~125Pa	-250~250Pa	-375~375Pa	-500~500Pa
DPT7000G300	-10000~10000Pa	0~1000Pa	0~2500Pa	0~5000Pa	0~7500Pa	0~10000Pa
DPT7000C300		-500~500Pa	-1250~1250Pa	-2500~2500Pa	-3750~3750Pa	-5000~5000Pa

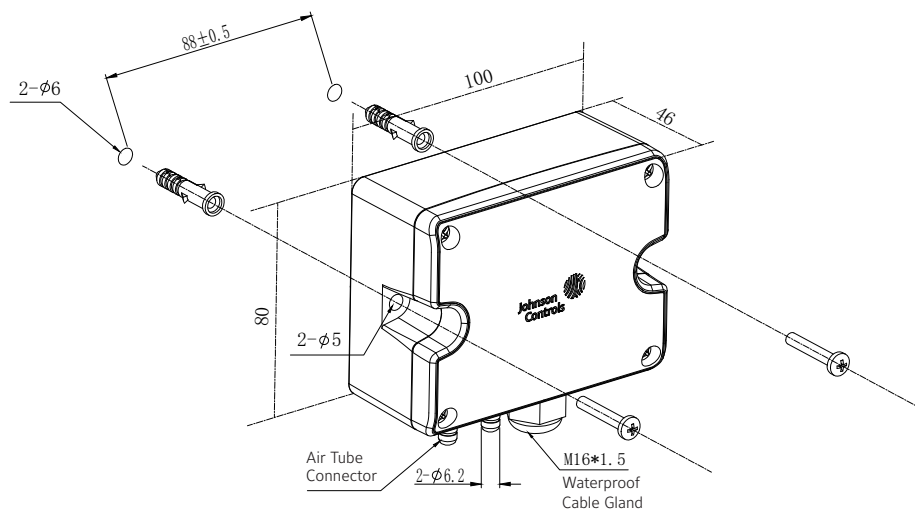


Specification

Measure medium	Air and neutral gas
Measurement range	-100~100Pa -1000~1000Pa -10000~10000Pa
Overload pressure	5KPa (-100~100Pa) 10KPa (-1000~1000Pa) 80KPa (-10000~10000Pa)
Accuracy	±1%FS (-100~100Pa: ±1%FS@25 °C)
Response time	0.5s, 1s, 2s, 4s adjustable(Default:0.5s)
Zero calibration function	Yes
Unit	Pa, mmH ₂ O, mBar, inH ₂ O, mmHG, KPa (Default: Pa)
Output	0~10v&4~20mA/4~20mA
Powe	12~30VDC (Current type); 16~30VDC (General type)
Working temperature	-10~60 °C
Medium temperature	-10~60 °C
Storage temperature	-20~70 °C
IP protection	IP65
Housing	PC (UL94-V0)
Certification	CE
Connector	Metal connector, Ø 6.2 mm
Electrical type	M16*1.5
Accessory	Includes: 1.5m PVC, 2 pressure tubes, mounting screws



Dimension



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