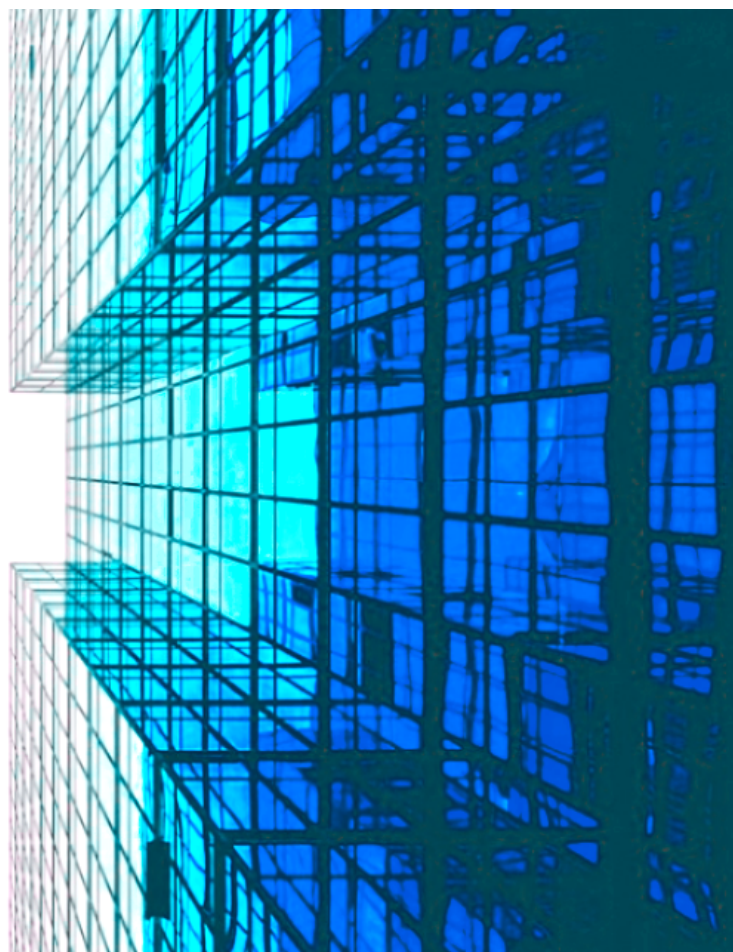




PX-DPT TRANSMITTER

2021 CATALOGUE



THE PX-DPT TRANSMITTER IS A RUGGED DEVICE WITH A LCD, MULTIPLE RANGES, ENGINEERING UNITS AND OUTPUTS. THIS DEVICE SERVES AS A TRANSMITTER WITH A BUILT-IN SENSOR FOR POSITIVE, NEGATIVE & DIFFERENTIAL AIR PRESSURE.



GENERAL FEATURES & SPECIFICATIONS



Electrical Features

- Input Voltage: 16~28VAC/ 16~35VDC
- Output Load: $\leq 500\Omega$ (current), $\geq 2K\Omega$ (voltage)
- Output: 0~10V, 4~20mA (2 wires), 0~5V, RS485 selectable
- Units: 5 units, selected by DIP switches
- CE Approval

Environmental Limits

- Operating Temperature: -20° to 70° C
- Medium Temperature: 0° to 60° C
- Operating Humidity: 10% to 90% RH (non-condensed)
- Ambient Atmosphere (medium) : Non-combustible, non-corrosive air, insensitive to moisture, dust, condensation and oil
- Protection Level: IP65 (DPT2/DPT3), IP54 (DPT)

Structure

- Material: ABS+PC(housing) & PC(Cover), fire retardant UL94V-0
- Net weight: Approx. 165g (DPT/DPT2), 200g (DPT3)

Model	DPT DPT2 DPT3 DPT4				Room DP transmitter Room DP transmitter Duct mount DP transmitter Flush mount DP transmitter
Range		X			Range selection
Output			1 2 E 8		0-10V 4-20mA (2 wires) 0-5V RS485/Modbus
Display				0 1	N/A LCD

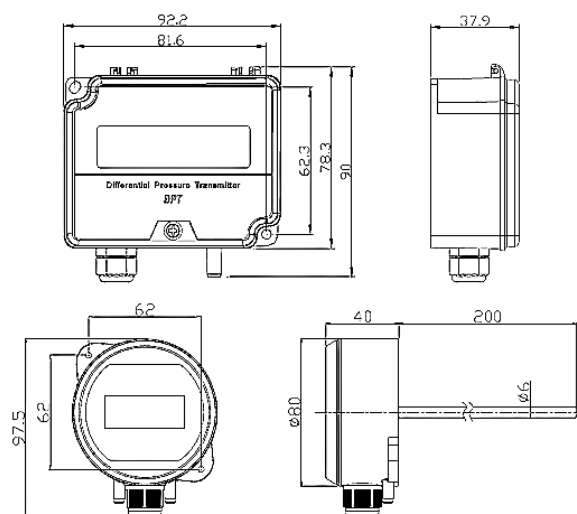
Display

- Display: LCD module
- Zero set: Easy reset by external key

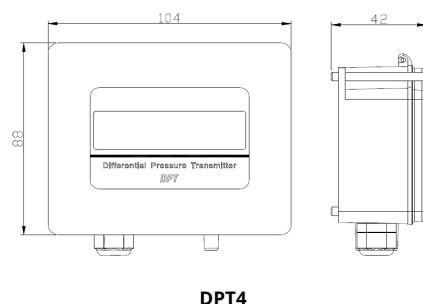
Sensors

Differential Pressure

- Range: See table
- Working Pressure: Overload 10xFS, burst 15xFS
- Accuracy: $\pm 1.0\%FS$ ($\pm 2.0\%FS@25Pa$ range)
- Long term stability: $\pm 0.5\%FS$ /Year
- Thermal effect: $<0.05\%FS/^{\circ}C$ (zero), $<0.08\%FS/^{\circ}C$ (FS)
- Response Time: 0.5/1/2/5s, can be set by DIP switch
- Process Connection: 5mm ID tubing



Code	Unit & Range & Display Resolution					
	Pa	Pa	kPa	in w.c.	mm w.c.	mbar
1	0-25/60/125	25.0	0.025	0.100	2.50	0.250
		60.0	0.060	0.250	6.00	0.600
		125.0	0.125	0.500	12.00	1.250
3	0-250/500/1000	250.0	0.250	1.000	25.00	2.500
		500.0	0.500	2.000	50.00	5.000
		1000	1.000	4.000	100.0	10.00
6	0-2500/5000/10000	2500	2.500	10.00	250.0	25.00
		5000	5.000	20.00	500.0	50.00
		10000	10.00	40.00	1000	100.0



- Each model has 3 ranges which could be jumper selected