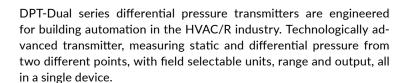


DIFFERENTIAL PRESSURE TRANSMITTERS DPT-DUAL SERIES

Field adjustable, multi-range differential pressure transmitter with two pressure sensors for air



DPT-Dual series devices include:

- Multiple measurement units, field selectable via jumper, including: Pa, kPa, mbar, inchWC, mmWC.
- 8 field selectable measurement ranges, unidirectional or bi-directional, selectable via jumper (see Model Summary).
- Proportional output options including: voltage (2x 0...5/10 V), selectable via jumper.



Backlit display





SIMILAR PRODUCTS

- DPT-2W series differential pressure transmitters with 4-20 mA 2-wire configuration
- DPT-R8 series 8-range differential pressure transmitters
- DPT-MOD series differential pressure transmitters with Modbus configuration
- DPI series electronic differential pressure switches
- PS series mechanical differential pressure switches
- DPT-FLOW series airflow transmitters

APPLICATIONS

DPT-Dual series devices are commonly used in HVAC/R systems for:

- fan, blower and filter monitoring
- pressure and flow monitoring
- valve and damper control

MODEL SUMMARY

Measurement ranges (Pa)	nt ranges (Pa) DPT-Dual-2500		DPT-Dual-7000	
(field selectable via jumper)	±100, 100, 250, 500 Pa		1000, 1500, 2000, 2500 Pa	
(For optional units, see Specifications)	1000, 1500, 2000, 2500 Pa		3000, 4000, 5000, 7000 Pa	
Description	Model	Product code	Model	Product code
Multi-range differential pressure transmitter with two pressure sensors	DPT-Dual-2500	120.007.001	DPT-Dual-7000	120.016.001
- with display	DPT-Dual-2500-D	120.007.002	DPT-Dual-7000-D	120.016.002



幸託有限公司 XIN TOP CORPORATION

TEL: (02)2598-1199 E-mail: info@xintop.com

FAX: (02)2596-2331 Website: www.xintop.com

DIFFERENTIAL PRESSURE TRANSMITTERS DPT-DUAL SERIES

SPECIFICATIONS

Performance

Accuracy (from applied pressure):

Model 2500:

Pressure < 125 Pa = 1 % + ±2 Pa Pressure > 125 Pa = 1 % + ±1 Pa

Model 7000:

Pressure < 125 Pa = 1.5 % + ±2 Pa Pressure > 125 Pa = 1.5 % + ±1 Pa

(including: general accuracy, linearity, hysteresis, long

term stability, and repetition error)

Overpressure:

Proof pressure: 25 kPa Burst pressure: 30 kPa **Zero point calibration:** Manual pushbutton **Response time:**

4.0 s or 0.8 s, selectable via jumper

Technical Specifications

Media compatibility:

Dry air or non-aggressive gases

Measuring units:

Pa, kPa, mbar, inchWC, mmWC, selectable via jumper

Measuring element:

MEMS, no flow-through

Environment:

Operating temperature: -20...+50 °C Temperature compensated range 0...+50°C Storage temperature: -40...+70 °C Humidity: 0 to 95 % rH, non condensing **Physical**

Dimensions:

Case: 102.0 x 71.5 x 36.0 mm

Weight:

 $150 \, \mathrm{g}$, with accessories $290 \, \mathrm{g}$

Mounting:

2 each 4.3 mm screw holes, one slotted

Materials: Case: ABS Lid: PC

Pressure inlets: Brass Duct connectors: ABS

Tubing: PVC

Protection standard:

IP54

Display (Optional)

2-line display (12 characters/line) Line 1: active measurement, inlet A Line 2: active measurement, inlet B

Electrical connections:

4 spring loades terminals, max 1.5 mm² Wire: 0.2-1.5 mm² (12-24 AWG)

Cable entry: M20 **Pressure fittings:**

Male ø 5.0 mm and 6.3 mm

Electrical

Voltage:

Circuit: 3-wire (V Out, 24 V, GND) Input: 24 VAC or VDC, ±10 %

Output: 2x 0...5/10V (selectable via jumper)

Power consumption: <1.0 W Resistance minimum: $1 \text{ k}\Omega$

Conformance

Meets requirements for CE marking: EMC Directive 2014/30/EU RoHS Directive 2011/65/EU WEEE Directive 2012/19/EU

COMPANY WITH MANAGEMENT SYSTEM CERTIFIED BY DNV GL

= ISO 9001 = ISO 14001 =



HOW TO GENERATE A MODEL?

Example:	Product Serie	es				
DPT-Dual-2500-D	DPT-Dual	Differential pressure transmitter with two pressure sensors				
		Highest available measurement range				
		-2500	02500	Pa		
		-7000	07000 Pa			
			Display			
			-D	With display		
				Without display		
Model	DPT-Dual	-2500	-D			

幸託有限公司 XIN TOP CORPORATION

TEL: (02)2598-1199 E-mail: info@xintop.com

FAX: (02)2596-2331 Website: www.xintop.com