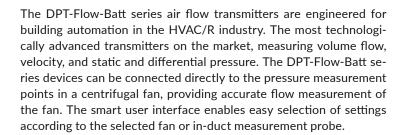


AIR FLOW AND VELOCITY TRANSMITTERS DPT-FLOW-BATT

Multifunctional air flow meter for building automation systems where electricity is not available



DPT-Flow-Batt series devices include:

- Two field selectable functions:
 - o Measure in-duct volume flow, velocity or differential pressure
 - o Measure airflow across centrifugal fans
- Multiple field selectable measurement units:
 - o Volume flow: m3/s, m3/h, cfm, l/s
 - o Velocity: m/s, ft/min
 - o Pressure: Pa, inWC, mmWC, kPa, mbar





SIMILAR PRODUCTS

- AVT series air velocity transmitters
- DPT-2W-Q series differential pressure transmitters with flow linear output
- DPT-R8 series 8-range differential pressure transmitters
- DPT-MOD series differential pressure transmitters with Modbus configuration

APPLICATIONS

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

- air flow monitoring across centrifugal fans and blowers
- in-duct air flow monitoring

MODEL SUMMARY

	DPT-FLOW-BATT-7000	
Measurement ranges (Pa)	0-7000 Pa	
Description	Model	Product code
Flow meter for measuring air flow in building automation systems where electricity is not available - with display	DPT-FLOW-Batt-7000-D	102.006.031

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AIRFLOW AND VELOCITY TRANSMITTERS **DPT-FLOW-BATT**

SPECIFICATIONS

Performance

Accuracy (from FS):

±1.5 %

(Accuracy specifications include: general accuracy, temperature drift, linearity, hysteresis, long term stability, and repetition error)

Thermal effects:

Temperature compensated across the full spectrum of capability

Overpressure:

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

1.0-10 s, selectable via menu

Technical Specifications

Media compatibility:

Dry air or non-aggressive gases Pressure units (select via menu): Pa, kPa, mbar, inWC, mmWC Flow units (select via menu):

Volume: m3/s, m3/hr, cfm, l/s

Velocity: m/s, ft/min Measuring element:

MEMS

Environment:

Operating temperature: 10...50 °C Storage temperature: -20...70 °C Humidity: 0 to 95 % rH, non condensing

Physical

Dimensions:

Case: 102.0 x 71.5 x 36.0 mm

Weight:

150 g Mounting:

2 each 4.3 mm screw holes, one slotted

Materials: Case: ABS

Lid: PC

Duct connectors: ABS Tubing: PVC

Protection standard:

IP54 Display

2-line display (12 characters/line)

Line 1: Volume or velocity measurement

Line 2: Pressure measurement

Size: 46.0 x 14.5 mm **Electrical connections:** 9 VDC battery connector Pressure fittings

Male ø 5.0 mm and 6.3 mm

Electrical

Current consumption: ~20 mA on active mode

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 =



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