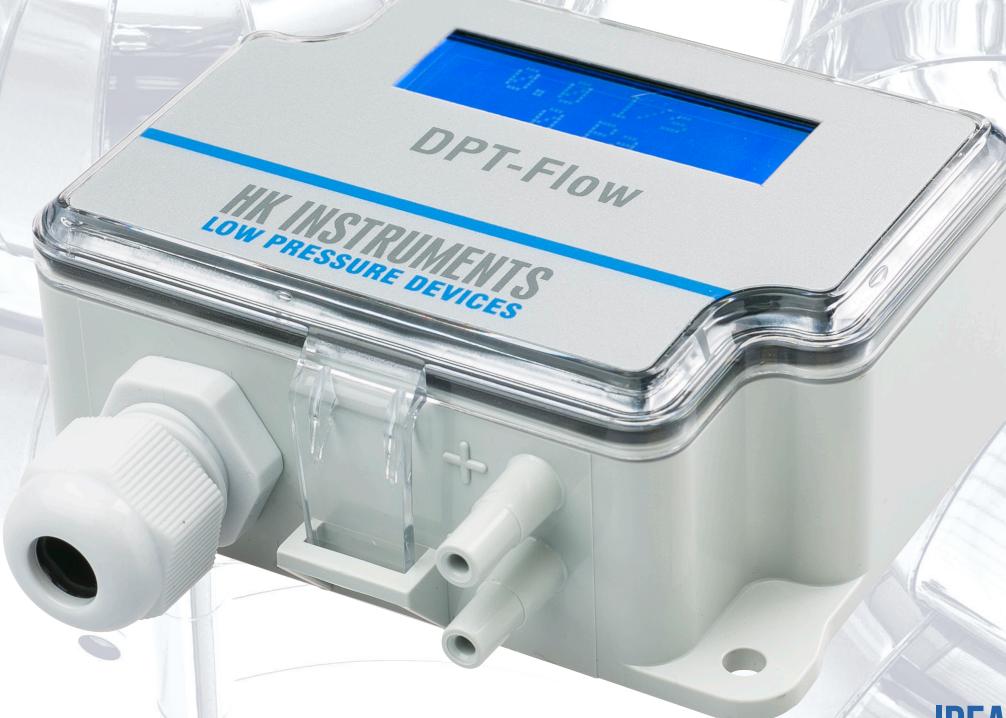


# FLOW TÁVADÓ FOR HVAC RENDSZERS



IDEAL TERMÉK FOR  
MEASURING A FLOW  
RATE BOTH ON CENTRIFUGAL  
FANS ÉS IN A DUCT

DPT-FLOW	<b>MAZÁSOK</b> DPT-FLOW is a flow távadó that provides an easy way to measure a flow rate on centrifugal fans or in a duct rendszer. One device is suitable for a range of fan types. It can also be used with several different mérés probes such as FLOXACT™ or pitot tube, és air dampers.
HASZNÁLAT	A DPT-FLOW can be used to measure a air flow on centrifugal fans or as a távadó to regulate a air flow in a duct or on a selected fan or blower. It can also be used in a duct rendszer or in air-hésling units as an on-site kijelző for flow.
ALKAL-	

## MŰSZAKI ADATOK

Pontosság (alkalmazott nyomástól): Nyomás < 125 Pa = 1 % + ±2 Pa  
 (modelllek 1000 és 2000) Nyomás > 125 Pa = 1 % + ±1 Pa

Pontosság (alkalmazott nyomástól): Nyomás < 125 Pa = 1.5 % + ±2 Pa  
 (modelllek 5000 és 7000) Nyomás > 125 Pa = 1.5 % + ±1 Pa

Zero pont kalibrálás: automatikus with autozero element (-AZ) or by pushbutton

Mértékegységek: Nyomás: Pa, kPa, mbar, inchWC, mmWC, psi  
 Flow: m<sup>3</sup>/s, m<sup>3</sup>/hr, cfm, l/s, m/s, ft/min

Tápfeszültség: 24 VAC ±10 % / 24 VDC ±10 %

Power consumption: < 1.0 W

Kimenet jels for nyomás és air flow (selectable by jumper): 0...10 VDC, Load R minimum 1 kΩ or 4...20 mA, maximum load 500 Ω

Működési hőmérséklet: -10...+50 °C (with autozero kalibrálás -5...+50 °C)

Válaszidő: 1...20 s

Védelem: IP54

Calculation formula:  $V = k * \sqrt{\Delta P(Pa)}$

**ALSO USABLE WITH  
 MÉRÉS PROBES  
 SUCH AS FLOXACT™,  
 PITOT TUBES, ÉS  
 AIR DAMPERS**

## DPT-FLOW

Példa:	Sorozat	Flow távadó for HVAC rendszers		
DPT-Flow-2000-AZ-D	DPT-Flow			
Modell	Analóg kimenetek			
	<b>Méréstartomány (Pa)</b>			
	-1000	0...1000		
	-2000	0...2000		
	-5000	0...5000		
	-7000	0...7000		
	<b>Zero pont kalibrálás</b>			
	-AZ	With autozero kalibrálás		
		Standard with pushbutton manual zero pont kalibrálás		
	<b>Kijelző</b>			
	-D	Kijelzővel		
Modell	DPT-Flow	-2000	-AZ	-D

## PRE-PROGRAMMED FAN MANUFACTURERS

Fläkt Woods, Rosenberg, Nicotra Gebhardt, Comefri, Ziehl-Abegg, ebm-papst

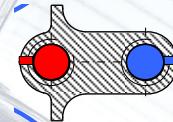
A fan only needs to have a nyomás tap/port to which a DPT-Flow can be connected

**ACCESSORIES**  
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# FLOXACT™

## Application

The FloXact™ Stick is a differential air pressure device designed to measure air velocities in a duct. It includes multiple sensing points to measure total and static pressures. The FloXact™ Stick incorporates a unique design to amplify the differential pressure by approximately 2.5 times for accurate measurement of lower air velocities down to 200 fpm. It is easy to install and cost effective.



## Design features

- Multiple sensing points for greater accuracy
- Easy installation
- Chamfered sensing points for consistent readings
- 2% accuracy

**ALKALI**  
2.5X signal amplification  
**MAZASOR** Accepts 1/4" OD tubing

## Operation of the FloXact™

### DESIGN FEATURES

- Multiple sensing points for greater pontosság
- Easy installation
- Chamfered sensing points for consistent readings
- 2 % pontosság
- 2.5 X jel amplification

A FLOXACT™ probe is a differential air nyomás device designed to measure air velocities in a duct. It includes multiple sensing points to measure total és static nyomáss. A FLOXACT™ probe incorporates a unique design to amplify a nyomáskülönbség by approximately 2.5 times for accurate mérés of lower air velocities down to 1.0 m/s (200 fpm). It is easy to install és cost-effective.

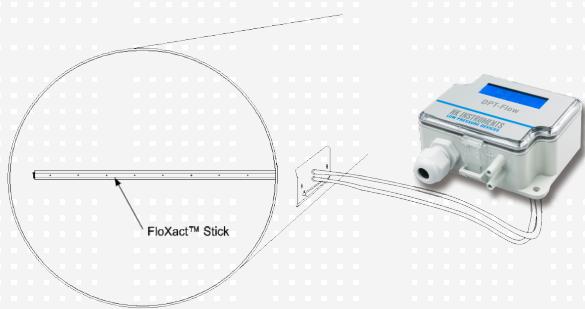


Figure 1. FloXact™ -R szerelés.

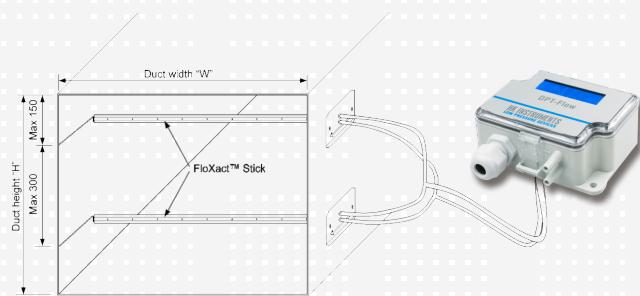
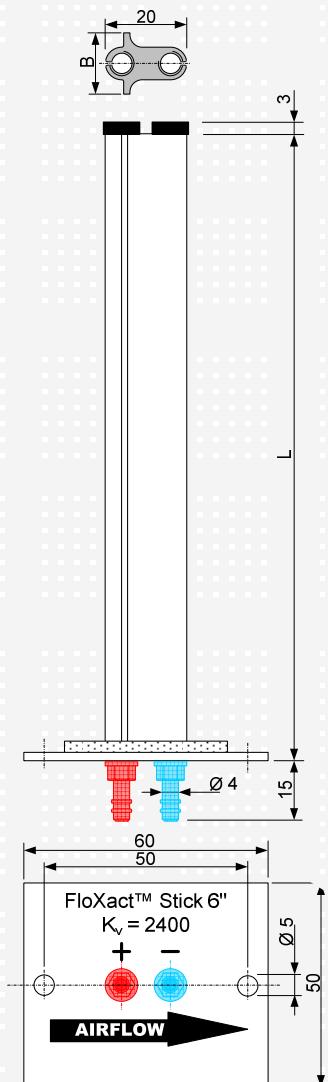


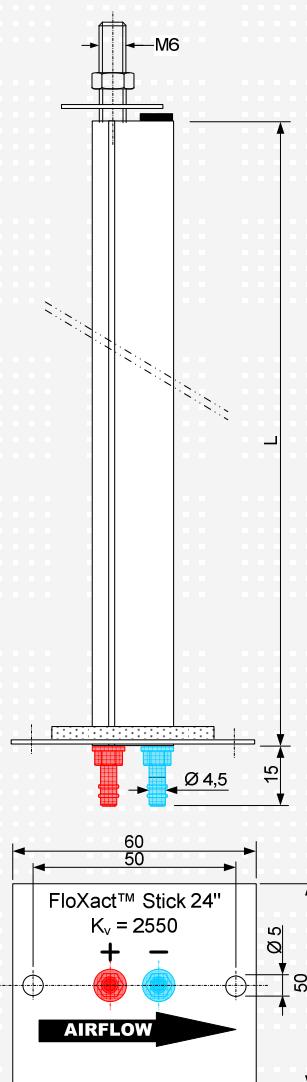
Figure 2. FloXact™ -L szerelés.

### Dimensions

**FloXact™-R available models :**  
All standard round duct sizes up to 1200 m



**FloXact™-L available models :**  
250, 300, ... 1200 (50 mm steps)



# BATTERY POWERED AIR FLOW METER



## DPT-FLOW-BATT

DPT-FLOW-BATT is a user-friendly on-site kijelző for air flow designed for environments és ALKALMAZÁSOK where electricity is not available. One device is suitable for a range of different fan types. It also provides an easy way to measure flow rate in a duct rendszer például to gear with a FLOXACT™ averaging mérés probe.

## HASZNÁLAT ÉS ALKAL- MAZÁSOK

A DPT-FLOW-BATT is an on-site kijelző designed for légkezelő units to measure air flow on centrifugal fans. A DPT-FLOW-BATT can also be used in a duct rendszer as an on-site kijelző for flow. A device can be used with several different mérés probes such as FLOXACT™ or pitot tube, és air dampers. A requirement is that a K-value of a mérés probe or damper is known.

## MŰSZAKI ADATOK

Pontosság (from FS):	±1.5 % (Including: general pontosság, hőmérséklet drift, linearity, hysteresis, long term stability, és repetition error)
Zero pont kalibrálás:	by pushbutton
Mértékegységek:	Nyomás: Pa, kPa, mbar, inchWC, mmWC, psi Flow: m3/s, m3/hr, cfm, l/s, m/s, ft/min
Tápfeszültség:	9 V battery
Áramfogyasztás:	~20 mA on active mode
Működési hőmérséklet:	-10...+50 °C
Válaszidő:	1.0–10 s, selectable via menu
Védelem:	IP54

## DPT-FLOW-BATT

Példa: DPT-Flow-Batt-7000-D	Sorozat	
	DPT-Flow-Batt	Battery powered air flow meter
		<b>Méréstartomány (Pa)</b>
		-7000 0...7000
		<b>Kijelző</b>
		-D Kijelzővel
Modell	DPT-Flow-Batt	-7000 -D

MEASURE AIR FLOW IN ENVIRONMENTS WHERE ELECTRICITY IS NOT AVAILABLE

ACCESSORIES  
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# AIR VELOCITY TÁVADÓ



## AIR VELOCITY ÉS HŐMÉRSÉKLET TÁVADÓ WITH RELÉ KIMENET

### AVT

A AVT is an electronic air velocity és hőmérséklet távadó for air és non-combustible gases with változatal relé kimenet.

### HASZNÁLAT

AVT is used in HVAC és building automation rendszers.

### ALKAL- MAZÁSOK

Monitoring air velocity és hőmérséklet in ducts és laminar flow cabinets, és at ventilators és dampers.

## MŰSZAKI ADATOK

Pontosság (from reading):	< 0.1 m/s + 5 % (Range 0...2 m/s) < 0.5 m/s + 5 % (Range 0...10 m/s) < 1.0 m/s + 5 % (Range 0...20 m/s)
Mértékegységek:	m/s, °C
Tápfeszültség:	24 VDC ±10 % / 24 VAC ±10 %
Power consumption:	35 mA (50 mA with relé) + 40 mA with mA kimenetek
Kimenet jel 1:	0...10 V (linear to °C), L min 1 kΩ or 4...20 mA (linear to °C), L max 400 Ω
Kimenet jel 2:	0...10 V (linear to m/s), L min 1 kΩ or 4...20 mA (linear to m/s), L max 400 Ω
Változatal relé kimenet:	Potential free SPDT 250 VAC, 6 A / 30 VDC, 6 A with adjustable kapcsolóing pont és hysteresis
Működési hőmérséklet:	0...+50 °C
Probe:	Adjustable Immersion length 50...190 mm, szerelés flange included
Védelem:	IP54

## AVT

Példa: AVT-D-R	Sorozat		
	AVT	Air velocity távadó, méréstartomány 0...2 / 0...10 / 0...20 m/s	
		Kijelző	
	-D	Kijelzővel	
		Kijelző nélkül	
		Relé	
		-R With relé	
		Without relé	
Modell	AVT	-D	-R

