

# FlowCon FBT

## Bluetooth Commissioning Meter



### SPECIFICATIONS

**Handle:**

Storage temperature: -20°C to +60°C / -4°F to +140°F

Ambient temperature: 0°C to +40°C / +32°F to +104°F

Materials:

- Housing: PC and ABS

Supply voltage: 2 pcs. 1.5V AAA batteries (included) or  
2 pcs. 900 mAh AAA NiMH rechargeable batteries (not included)

Interface: Bluetooth

Range: 50 meter / 164 ft in free air

Sample time: 1/sec

Protection: IP40

CE conformity: Yes (EMC 2014/30/EU, RoHS 2011/65/EU and WEEE 2012/19/EU)

## SPECIFICATIONS (...continued)

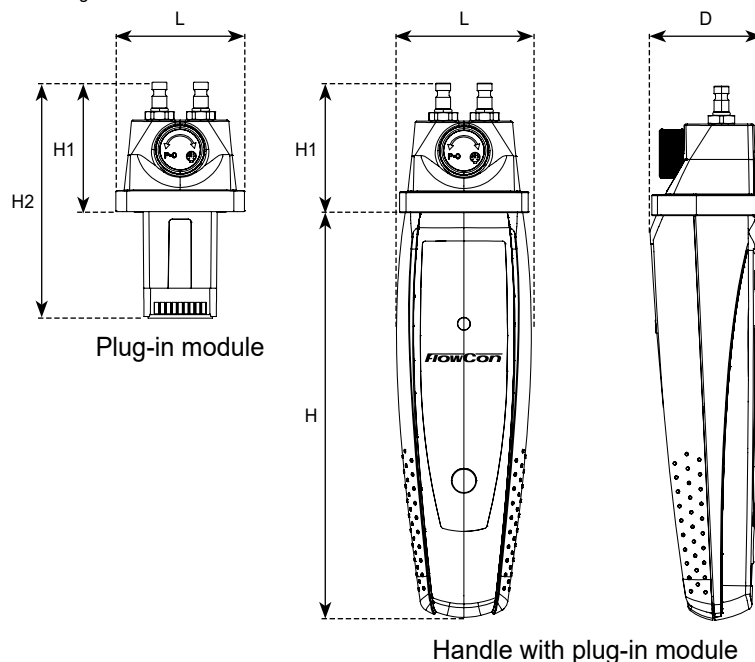
### Plug-in modules (pressure sensors):

Media temperature:	-20°C to +85°C / -4°F to +185°F
Maximum operating pressure:	PT85: 1400 kPa / 203 psi PT86: 3500 kPa / 507 psi
ΔP range:	PT85: 0-700 kPaD / 0-101 psid (standard) PT86: 0-2000 kPaD / 0-290 psid
Medium:	Non-aggressive liquids and gases in HVAC applications
Material:	
- Housing:	PC and ABS
- Tubes:	PU
- Needles:	Nickle-plated brass and stainless steel AISI 303
Connecting tubes:	1.5 meter / 5 ft
Connecting needles:	ø2.8 mm x 36 mm / ø0.11 in x 1.42 in
Connection socket:	2 pcs. DN5 connection
Performance data:	
- Measuring principle:	Piezoresistive sensor
- Accuracy:	PT85: 1 kPa / 0.145 psi or 1% reading PT86: 2.5 kPa / 0.363 psi or 1% reading
- Resolution:	PT85: 0.01 kPa <100 kPa or 0.1 kPa >100 kPa / 0.0015 psi <14.5 psi and 0.015 psi >14.5 psi PT86: 1 kPa / 0.15 psi
- Selectable units:	kPa and psi depending on selected unit in the FlowCon App.

## DIMENSIONS AND WEIGHT (NOMINAL)

FlowCon part	L	H	H1	H2	D	Weight
	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)	kg (lb)
Handle (without top cover)	45 (1.77)	140 (5.51)	-	-	39 (1.54)	0.113 (0.25)
PT85	40 (1.58)	-	44 (1.73)	81 (3.19)	33 (1.30)	0.094 (0.21)
PT86	44 (1.73)	-	52 (2.05)	88 (3.47)	37 (1.46)	0.107 (0.24)
Case	375 (14.8)	315 (12.4)	-	-	75 (2.95)	1.4 <sup>1</sup> (3.1) <sup>1</sup>

Note 1: Inclusive PT85, hoses and fittings.



## MODEL NUMBER SELECTION

**FBT**

$\Delta P$  range:

**25** = PT85, 0-700 kPaD / 0-101 psid (standard)

**30** = PT86, 0-2000 kPaD / 0-290 psid

Example:

**FBT25** = Bluetooth commissioning meter with a pressure range of 0-700 kPaD (0-101 psid).

## DESCRIPTION

The FlowCon FBT is an electronic pressure and flow meter consisting of a handle incl. Bluetooth® and a measuring probe. The FlowCon FBT will show pressure reading and flow in the FlowCon App (v. 1.4 or newer). The FlowCon App can be used either on iOS or Android operating systems.

On the front of the handle the ON/OFF button and a multicolored LED are located. The LED will show connection status. On the back, the handle is equipped with 3 magnets by which the meter can be hung on a metal surface. On top of the selected probe is a rotary knob which activates the built-in bypass to vent the tubes.

The Pressure and Flow Meter includes flow characteristics for:

- FlowCon Green
- FlowCon GreEQ
- FlowCon UniQ®
- FlowCon SM
- FlowCon FIT-G
- FlowCon FIT
- FlowCon E-JUST
- FlowCon MS15

NOTE: that for any actuated valve, measurement can only be done with actuator fully open allowing max.flow according to setting.

The FlowCon FBT will be delivered in a protective hard carry case.

## UPDATES

**For latest updates please see [www.flowcon.com](http://www.flowcon.com)**

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