

## User guide

# **PFM 100 Measuring Instrument**

### Application



The PFM 100 is used for measuring the differential pressure on both sides of a valve in hydronic systems.

### The set consists of:

- One PFM 100 Measuring Instrument.
- Two hoses with couplings.
- Two needles incl. ball valves.

Flow and pressure can be displayed in various units, which you can choose from in the menu.

The PFM 100 can communicate with you in one of 10 possible languages.

Please note that the pressure unit must not be exposed to subzero temperatures. The pressure unit must at all times be stored at temperatures above 0° C.

# Functions Image: Constraint of the second secon

### Usage

- 1. Connect the hoses to the valve.
- 2. Air the hoses.
- 3. Connect the valve to the PFM 100.
- 4. Zero adjust.
  - From the main menu select the Zeroing option in order to correct the static pressure influence.
  - To reset the device to zero follow the instruction on the display.
- Type in the Kv-value.
  If the kV value of the measured valve is known, it can be entered in the PFM 100 to display the valve flow.
  - From the main menu select the Kv value option.
  - Press the Confirmation button to go through the sequence of numbers.
  - Press the Menu button to increase / decrease the numbers.
  - Press and hold the Confirmation button to save and exit the menu.
- 6. Read off the flow in the display of the PFM 100.





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## **Technical Specifications**

Specifications
Piezo resistive true differential
10 bar
Positive side: 15 bar Negative side: 10 bar
0.15% of pressure range
1.5% over ambient and medium temperature
-5 to 90°C
-5 to 50°C
-5 to 50°C
R21 quick couplers
2 x AA NiMH rechargeable
Max. 55 mA
128 x 64 monochromatic, backlight
3 keys
11
11, incl. US units
0 to 99999, with 0.1 step
94 x 218 x 35 mm
600 g, incl. batteries
IP65
12 months

### Ordering

No.	Туре	Set / pcs	Danfoss code no.
1	FPM 100 Measuring Instrument	1	003L8260

### Accessories

No.	Туре	Set / pcs	Danfoss code no.
1	Measuring hose, 2 x 1.5 m	1 set	003L8261
2	Needle	1 pcs	003L8262
3	Quick coupling	1 pcs	003L8263
4	Filters	1 set	003L8264
5	Strap	1 pcs	003L8265
6	ASV-I/M measuring KIT for PFM100	1 set	003L8274
7	Δp tool for pump optimization	1 pcs	013G7861

### **Danfoss A/S**

Climate Solutions • danfoss.com • +45 7488 2222

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