

## Measuring devices

# Take the **easy way** to a **perfectly balanced** system

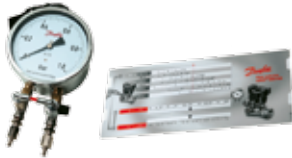
Where there is hydronic balancing, there is a need for measuring. To establish an optimized energy efficient heating or cooling system the flow and pressure in a system needs to be as designed. For systems balanced with manual balancing valves the commissioning process is fully based on measuring, adapting settings and re-measuring of the balancing valves. For systems with automatic balancing valves measuring is often only required to make a system report or perform random test measuring.

## **3** devices to measure

flow and pressure in  
heating, cooling and  
domestic hot water  
systems.



## Choose the right product for you



### Flow indicator

The flow indicator is a simple device to get an indication of the flow and pressure in heating, cooling and domestic hot water systems. The slide ruler can also help determine the presetting of balancing valves. The flow indicator consists of a differential pressure gauge and a slide ruler, which enables the pressure to be calculated into flow.

This device can only be used in combination with Danfoss balancing valves.



### PFM100

The PFM100 is a measuring device that measures the differential pressure on both sides of a valve in hydronic systems. After typing in the  $K_v$  value into the device it will calculate the flow in a very accurate manner. The PFM100 consists of a measuring instrument, two hoses with couplings and two measuring needles with ball valves.

This device can be used for different types of balancing valves of various brands.



### PFM5000

The PFM5000 is a measuring device that measures the differential pressure between both sides of a valve, and can also measure the temperature. Flow, pressure and temperature can be displayed in various units. This equipment is the ideal tool for professionals who need accurate measuring results and who need to make calculations on-site. The PFM5000 communicates with a smartphone via a dedicated Danfoss App (Android) and data can easily be transferred to a PC to prepare a thorough measuring report.

The PFM5000 consists of two separate units. A main pressure unit for measuring pressure, flow and temperature, and a computing unit for displaying results and data analysis. It is delivered including software (to be downloaded via Google Play), hoses, needles and a temperature sensor.

This device is a universal measuring instrument, which can be used for different types of balancing valves of various brands.

The Danfoss range of measuring devices

Measuring device	Max. pressure
Flow Indicator	1 bar
PFM 100	10 – 20 bar
PFM 5000	10 – 20 bar

Find more info at  
[www.hbc.danfoss.com](http://www.hbc.danfoss.com)



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