ONERENT · QUICK USER GUIDE

Hydronic balancing meter Danfoss PFM 1000



A short guide to the Danfoss PFM 1000 hydronic balancing meter: pairing the app, connecting to a balancing valve, zeroing and measuring flow.

1. Before you start

- Check that the kit contains everything listed in the hand-over record.
- Install the free Danfoss app on your smartphone (Google Play or App Store; Android 7.0+ or iOS) and switch on Bluetooth.
- Check the AAA batteries in the measuring unit.
- Switch on the unit and pair it with the app — results are shown on the phone, the unit has no display of its own.

2. Connecting

- Connect the hoses to the measuring unit; with high static pressure, connect the red hose first to protect the sensor membrane.
- Insert the needles into the balancing valve’s test points and bleed air from the hoses.

3. Measuring

- In the app, choose the valve by manufacturer, type, size and setting (or enter the kv value).
- Zero the unit before measuring flow; if the medium is hotter than +50 °C, zeroing must not take longer than 10 s.
- Read the differential pressure and flow; adjust the valve setting until the flow matches the design. Results can be saved (up to 2000 readings).

4. Tips

- Start balancing from the most remote risers and valves, with the system running at the design pump setting.
- If the system contains antifreeze, set it in the app — the flow calculation will be corrected.

5. Safety and care

- The system may contain hot water up to +90 °C under pressure — wear gloves and close the valves before removing the needles.
- Do not exceed the unit’s nominal pressure; do not store it below +5 °C with water in the hoses — empty the hoses after work.
- If the equipment does not work properly, stop using it and call us: +371 26537465.

6. Returning

- Return the equipment to Slokas iela 52N clean and complete — with all accessories listed in the hand-over record.
- Return the unit with the hoses emptied; unpair it from your phone’s app.

Based on the Danfoss manufacturer’s instructions. Full manufacturer manual: www.danfoss.com.