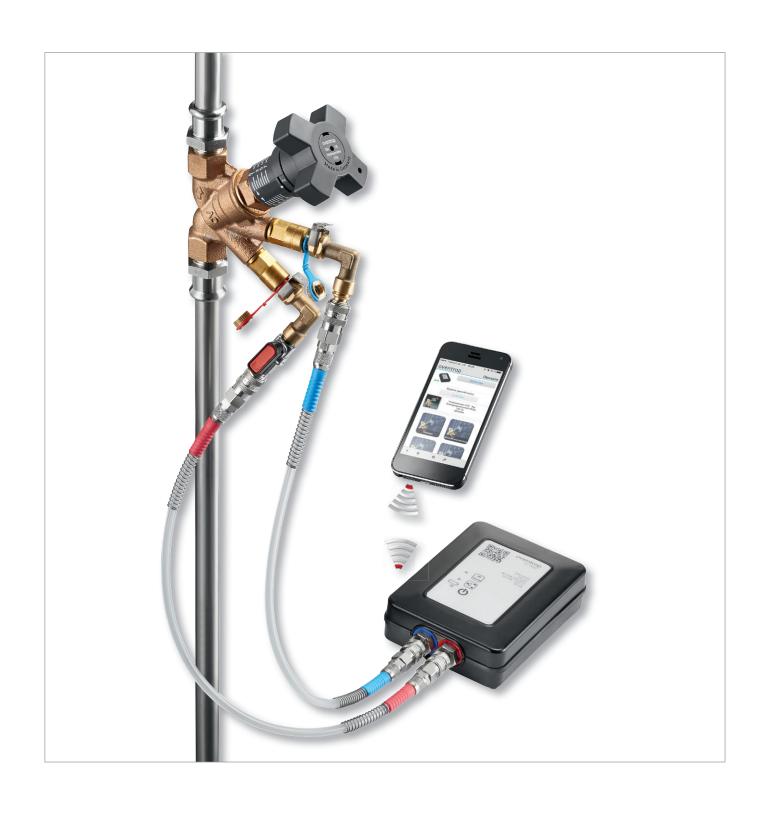
Innovation + Quality

"OV-DMC 3" Measuring system

Product range





The measuring system "OV-DMC 3" with WLAN interface serves the comfortable hydronic balancing of heating and cooling systems.

The measuring system "OV-DMC 3" has especially been designed for a simple and quick regulation of heating and cooling systems.

Communication takes place via commercial smartphones, tablets, notebooks and PCs. The Oventrop app for IOS and Android as well as a software package for Windows operating systems are available for operation. This allows for a comfortable regulation of heating and cooling systems as well as a simple generation of records.

Calculation of the presetting values for Oventrop double regulating and commissioning valves is possible after having entered the valve data and the required nominal flow rate. Permanent differential pressure and flow measurement is possible, too. This way, the system conditions can be recorded over a longer period. The simultaneous measurement of the flow and return temperature with the help of PT 1000 temperature sensors allows for a direct performance calculation.

Advantages:

- operation via commercial smartphones, tablets, notebooks and PCs
- integrated WLAN / LAN
- autonomous storage of the measured values without operating device but with the "OV-DMC 3" sensor only
- internal data memory (4 GB) for data logging
- networking of several devices
- optional permanent measurement
- motor-operated bypass function for automatic deaeration of the device
- quickly rechargeable LiFe battery for a long operating time
- high differential pressure measuring range up to 2.5 bar
- 1 Measurement at a double regulating and commissioning valve
- **2** The values measured by several "OV-DMC 3" sensors can be queried successively via the WLAN connection.





Any standard Oventrop regulating valve can be measured with the enclosed measuring accessories.

Technical data:

Max. operating temperature: 120 °C
 Min. operating temperature: -20 °C

- Max. operating pressure: 20 bar (2000 kPa)

- Max. differential pressure:

2.5 bar (250 kPa)

- Temperature measuring

range -20 °C up to +120 °C Temperature sensor type: PT 1000

Temperature sensor type: PT 1
 Power supply: via LiFe rechargeable battery or enclosed LISB power pack

via LiFe rechargeable battery of enclosed USB power pack 230 V AC 50/60 Hz

Dimensions
 W x H x D:

Weight: 650 g
Protective system: IP64
Interface: WLAN / LAN

107 x 165 x 40 mm

Minimum requirements on the display devices:

- Apple iPhone 4 with at least iOS 7.1
- Apple iPad 2 with at least iOS 7.1
- Android devices with at least API version 11 which corresponds to Android 3.0 (Honeycomb) and higher
- Windows devices with at least Win 7 and WLAN





Models:	Item no.:
without display device	1069278
with display device	1069279

- 1 Interfaces
- **2** The measuring system is supplied in a sturdy case
- 3 Extent of supply of the measuring system "OV-DMC 3" with accessories

The "OV-DMC 3" software with its

(differential pressure/flow rate) are

different measuring methods serves the regulation of valves. Measured values

displayed and graphically represented.

The flow and return temperature can be

Computer method

recorded.

As with the balanced pressure method, the required flow rate is set first. Now the regulating valve is set to any presetting value and a measurement is started.

Once the measurement has been completed, a second presetting value is set and the measurement is repeated. The presetting value for the required flow rate is determined by the software from the measured values. This value is set at the regulating valve and a confirmatory measurement is carried out. If the measured flow is in accordance with the specifications, the value can be entered into the regulation record.

ky value method

After having entered the ky value of the regulating valve, the flow rate is determined from the differential pressure measured in the current valve position.

Subject to technical modifications without notice.

Presented by:

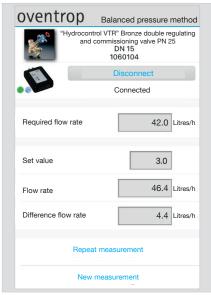
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Summary measuring methods



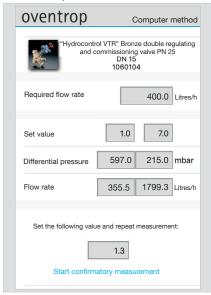
Balanced pressure method

	Disconnect
	Connected
	rol VTR" Bronze double regulating commissioning valve PN 16 DN 15 1060504
kv value	6
Start r	neasurement
Differential pressure	5.0 mbar
Flow rate	274.6 Litres/h

k_V value method

oventrop Measure 5.0 Differential pressure 145.2 Litres/h Flow rate Temperature supply 31.0/21.2 14:44:22 4,0 3,0 2.0 2.0 1,0 0,0 21,2 40.0 80.0 100.

Measurement of differential pressure, flow rate and temperature



Computer method