

Handheld measuring instrument for hydraulic balancing HMG 10



- Lightning-fast hydraulic balancing at the radiator with VarioQ valves
- Software-supported measurement/check of differential pressure and flow rate
- Characteristic curves of standard line valves and radiator valves stored in the software
- For heating circuit water and media of other densities



Application For differential pressure measurement and flow rate adjustment in heating and refrigerating systems during hydraulic balancing. To be used with VarioQ thermostat valves, VarioQ combination blocks or standard line fittings with measuring function (such as Gampper Vanitus Eco / Vanitus L). If VarioQ valves are used, hydraulic balancing can be done directly at the radiator. It is neither necessary to know the pipeline system nor to perform complex calculations.

Description HMG 10 is an ergonomic, lightweight handheld measuring instrument. A large, backlit colour display allows for convenient visualisation of all measurement results. All standard measuring valves are stored and can be intuitively selected via the graphical user interface. The measuring instrument measures the flow rate in litres per hour and the water volume can be easily set at the VarioQ valve without conversion. HMG 10 offers a great variety of features for storing pressure and flow data. It is possible to manage a total of 1,200 records.

HMG 10 uses all data and calculation results from VarioQCalc and returns all measured and adjusted values of the balancing procedure for documentation purposes. In addition, projects can be defined with the PC software as required and then transferred to the memory of HMG 10. A mini USB port is provided for communication and battery charging. HMG 10 features an intuitive calibration function for zero calibration.

Technical specifications

Measuring range
0/1,000 kPa / 0/10 bar

Max. overpressure
1,200 kPa / 12 bar

Operating temperature range
Ambient/storage: -5/+50 °C
Medium: -5/+90 °C

Hours of operation
Max. 12 hours

Weight
420 g

Dimensions
W x H x D: 80 x 180 x 52 mm

Display
Backlit colour display
240 x 320 pixels

Connection
2 x plug connection (red/blue)

Supply voltage
Lithium-ion battery 950 mAh

Scope of delivery
Measuring instrument with calibration report, USB charging adapter, 2 pairs of measuring hoses for connection of VarioQ valves and line fittings, adapters and accessories for connection to the system to be balanced, mounting tools, USB data cable, USB flash drive with PC software

DG: H, PG: 4	Part no.	Price €
HMG 10	68794	
Spare parts		
Hose kit Gampper for AFRISO/Gampper valves with quick-action coupling, measuring needles and sintered plastic filter	480 010,801	
Measuring needles for VarioQ valves (2 pieces)	480 010,804	
Measuring hose kit for line valves with quick-action coupling and sintered plastic filter (2 pieces)	480 000.801	
De-aeration adapter for measuring hoses	480 010.806	
Kit sintered plastic filter and O ring	480 000.808	