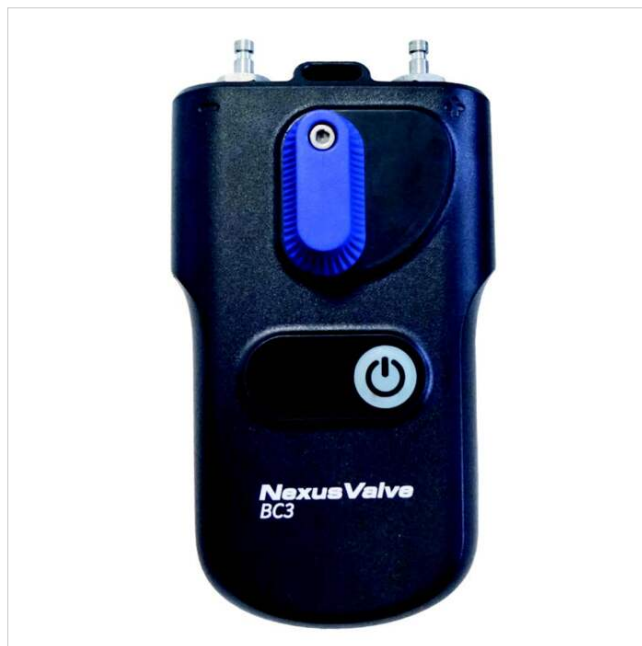


The NexusValve BC3 instrument is designed for hydraulic balancing of heating and cooling systems. It allows measuring static pressure, differential pressures and flow in the said systems. Using the differential pressure measured by the measuring component (balancing valve or measuring orifice). The application corrects the calculated flow also for anti-freeze mixes in cooling systems. The flow can be measured in all branches of the whole hydraulic system and the whole system can be balanced.

The NexusValve BC3 App is available for Android and iOS.



Advantages

- Ergonomic, user-friendly measuring device.
- Fully differential pressure sensor with the 24-bit pressure processing.
- Digital compensation of temperature effects and the pressure sensor nonlinearity.
- User application for mobile devices running the Android operation system (7.0 +) / iOS.
- Wireless data transfer.
- Correction of flow calculation based on antifreeze liquid characteristics.
- Easy balancing valve selection from a photographic menu.
- Projects records with the capacity of up to 2000 recordings.

Technical Specifications

- Nominal pressure range: 10 bar or 20 bar.
- Max. overpressure: 120% of nominal pressure.
- Linearity and hysteresis error: 0,15% from nominal pressure range.
- Temperature error: 0,25% from nominal pressure range.
- Medium temperature/ Ambient temperature*: -50 to 90°C /-5 to 50°C.
- Power Supply: Rechargeable AAA batteries.
- Consumption: 20mA via Bluetooth.
- Operating time: Max. 45H.
- Zeroing of pressure measurement: Mechanical with hydraulic bypass at input valves.
- Recording capacity: Max. 2000 recordings.
- Cover: IP65.
- Calibration validity: 12 months.



Type	Dimensions			Weight [kg]	Order Code
	Width [mm]	Length [mm]	Height [mm]		
NexusValve Flowmeter BC3	180	80	52	0.42	MN80597.2

* Measured at the end of measuring hoses, length 1,5 m. Maximum duration of zeroing valve opening when temperature of the medium exceeds 50 °C is 10 seconds.

Find more information online:

[Installation and operating instruction Android](#)

[Installation and operating instruction IOS](#)

[Packaging data](#)

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