



# SBS 5001

## Balancing Measuring Device

SBS devices line is prepared for the users, which are solving difficult problems by the balancing hydronic systems. It's our highest technology line of the balancing devices.

SBS5001 displays and processes the measured data in the user applications on your smartphone. The mobile device can connect two measuring units SBS5001 and this advantage enable to use the proportional balancing method.



- Radio communication between measuring unit, router and mobile phone
- Very accurate measuring with true differential pressure sensor and 24 bit data processing
- Measuring unit with the possibility of independent programmable records
- Thermometer PT100 for external connecting to the measuring unit
- Proportional balancing method
- Working with the projects, basic heating calculations
- Measuring unit with the possibility of independent programmable records
- Measuring unit with supplying from Li-Ion rechargeable battery
- Userfriendly and multilingual software
- Large database of balancing valves with pictures from major european producers
- Separated measuring unit and processing of datas on the mobile phone with OS Android



Pressure range	0-1000 kPa ~ 0-10 bar 0-2000 kPa ~ 0-20 bar
Max. static pressure	10 or 20 bar
Max. over pressure	1200 kPa ~ 12 bar 2200 kPa ~ 22 bar
Reliability, linearity and hysteresis error	0.15 % of range
Temperature error	0.25 % of range
Static pressure effect	± 200 Pa
Medium temperature	- 5 to 90° C
Ambient temperature	- 5 to 50° C
Storage temperature	-10 to 70° C
Temperature probe	Pt 100 digital
Temperature measuring range	-20 to 120° C
Temperature measuring error	± 1° C
Power	Li Ion battery 3.6 V 950 mAh
Interface RF wireless band	868 MHz
Communication speed	9600 bps
RF transmitter power	25 mW
Radio range (open air)	up to 30 m

Wireless routers	868 MHz band, 500 mW
Number of routers	max. 3
Radio range with 3 routers (open air)	300 m
Operating time	Max. 120 hours
Charging time	7 hours
Interface, Standard	Bluetooth
Number of records	Max. 3500
Dimensions (w x h x d)	77 x 19 x 25 mm
Weight	620 g
Cover	IP 65
Calibration validity	24 months

#### Computing unit

Menu languages	11
Number of projects	20
Number of branches	60
PC interface	USB