Applications

- For measuring differential pressures or two different gauge pressures for gaseous and liquid, not highly viscous and non-crystallizing media which do not attack copper alloys. Particularly suitable for heating systems (flow and return)
- Heating-, air-conditioning- and ventilation-technology

Special features

- Readability of positive pressure, negative pressure and differential pressure
- Very good price / performance ratio
- Two independent Bourdon tube measuring systems

Differential pressure gauge

Description

RIEGLER differential pressure gauges are based on two independently operating Bourdon tube measuring systems. („plus“-pressure = high pressure, „minus“-pressure = low pressure).
Thereby the device is able to display the pressure of two measuring points and the resulting differential pressure in one display.
The differential pressure scale comprises 50% each of the display range as plus and minus differential pressure display.
The black pointer („plus“-connection) and the red pointer („minus“-connection) allow the pressure existing in each system to be read on the fixed scale.

Technical data

Design
Two independent measuring systems,
parallel pins in series

Nominal size in mm
100

Accuracy class (EN 837-1/6)
1,6

Scale range (EN 837-1/5)
0 … 1 bar to 0 … 10 bar

Pressure resilience
The highest pressure occurring in the system must not exceed the full scale value.
To ensure good readability, the differential pressure to be measured should not be less than approximately 20% of the full scale value.

Permissible temperature

Medium:	Tmax = +60 °C
Environment:	Tmin = -20 °C
	Tmax = +60 °C

Temperature influence
Indication error in case of deviation from the normal temperature 20°C at the measuring system:
For temperature increase approximately: ± 0,4 %/10 K,
For temperature decrease approximately ± 0,4 %/10 K
from the respective full scale value

Ingress protection IEC / EN 60529
IP 32

Process connection
brass, radial; parallel in series
2 x G1/2B – AF22 (EN 837-1/7.3)

Measuring element
Bourdon Tube, Circular Shape Spring, Copper Alloy

Pointer / Dial
Aluminium

Window
Instrument glass

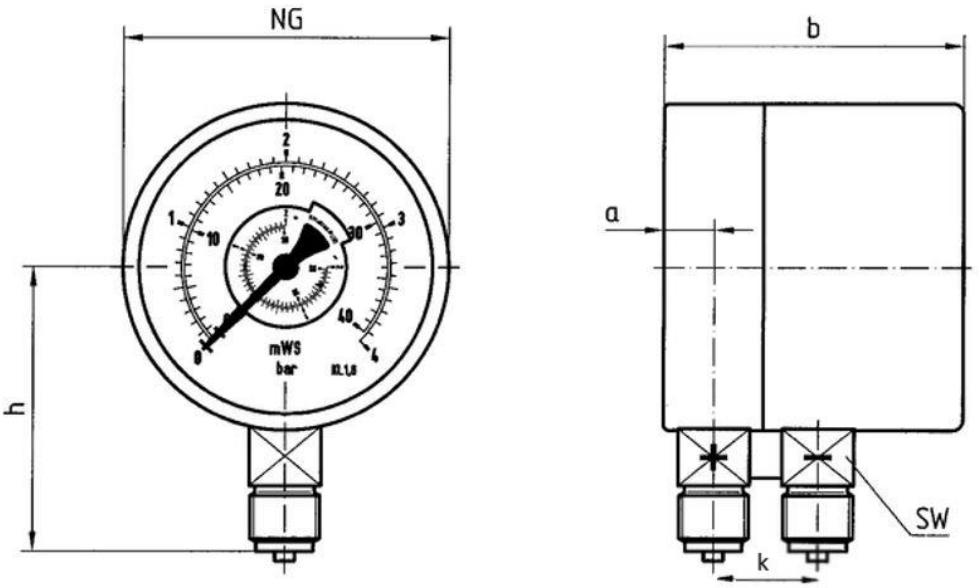
Case
Sheet steel, black

Overset ring
Sheet steel, black

Dial
Aluminium, white,
Black scale

Pointer movement
Brass

Dimensions in mm



NG	Dimensions in mm						Weight in kg
	a	b	G	h	k	AF	
100	15,6	84	G 1/2B	86	32	22	0,98