

Force measuring block BZH-PR9951

Direct replacement for Philips PR 9951

Permanently corrosion resistant

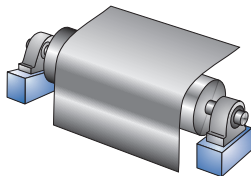
High stiffness and operational safety

High degree of protection and accuracy

Compatible with modern strain gauge amplifiers



Mounting type



KRAFTMESSBLOCK

All **force measuring blocks** in the BZH series have been designed for use with standard pillow block bearings from various manufacturers.

The external dimensions and mounting holes of the BZH-PR9951 are 100% compatible with the earlier Philips PR-9951 series.

The quick and easy installation is carried out as usual using 4 screws.

Compared to the Philips PR9951 series, even low web tension values of only 3% of the nominal force can still be measured with high accuracy with the strain gauge system.

The **BZH-PR9951 force measuring block** is made of stainless steel, has a high overload protection with mechanical stops and is characterized by its durability, accuracy and high reliability.

The ideal solution for a wide range of industrial applications, especially in the paper industry.

OPTIONS

Angled plug connection

S1: M12 (Metal)

S2: M12 (injected)

Straight connector

N1: M12 (Metal)

N2: M12 (injected)

Plug connection with cable

W5: 5m cable

W10: 10m cable

W20: 20m cable

ADVANCED OPTIONS

F: Designed for operation in hazardous areas, incl. J-Box

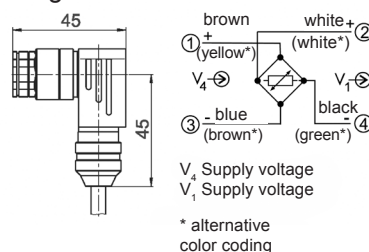
Increased temperature

H1: up to 120°C

H2: up to 200°C

CONNECTION

Plug connection S1



ORDERING EXAMPLE

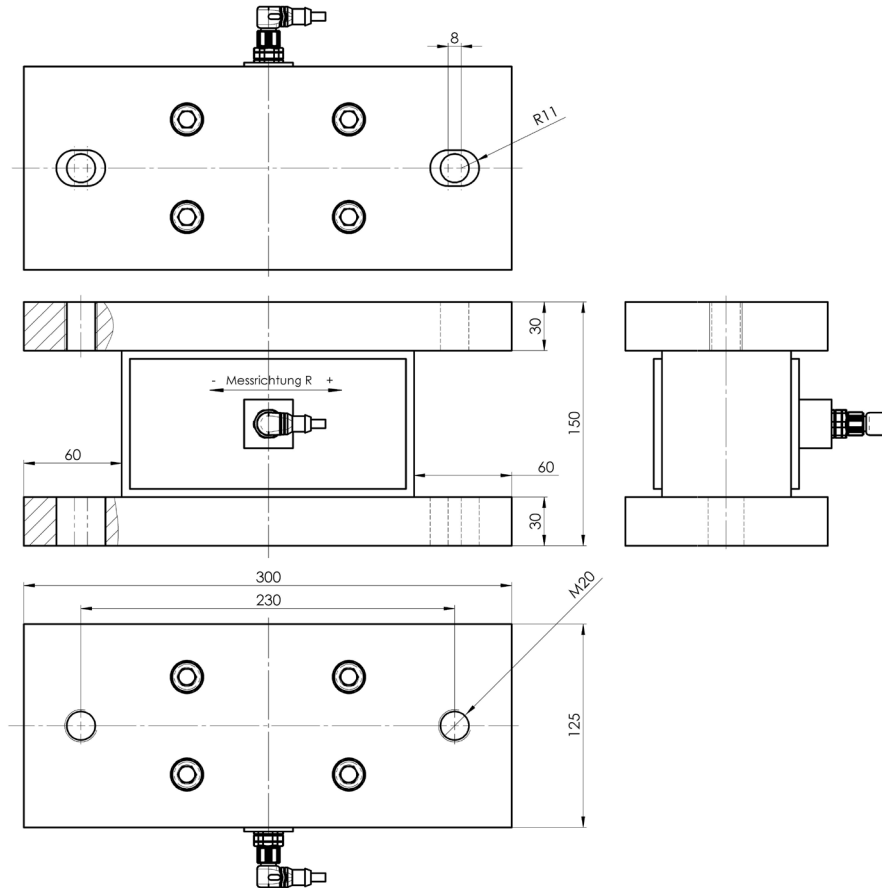
BZH-PR9951R1k-S1W0

Typ _____
design in _____
webdirection _____
nominal force _____
plug design/cable length _____

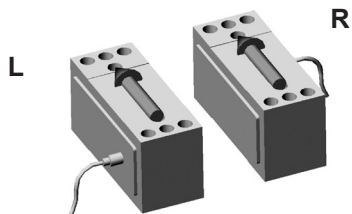
SCOPE OF DELIVERY

Force sensor with adapter and connector plug (no cable)

Standard connection S1W0:
Self-assembly cable socket (metal) 90° angled without cable



BZH-SERIES: MOUNTING OPTIONS



When ordering, please specify the version 'L' (left) or 'R' (right) to clearly assign the measuring direction and cable outlet.

Technical data	Values (%) based on nominal force
Nominal forces (kN)	1, 2, 3, 5, 10
Max. operating force	160%
Absolute max. force	1000%
Nominal rating	0,5 mV/V
Accuracy	± 0.5 %
Reproducibility	0,05%
Measuring range	30:1
Nominal temperature range	+10...+60°C
Operating temperature range	-10...+70°C
Temperature coefficient	± 0.1 % / 10 K
Nominal resistance	1000 Ohm
Max. Supply voltage	10 VDC
Protection class	IP 65
Material	Stainless steel



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