

Measuring instruments 9604 / 7204 / 9620



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Device characteristics

- Dimensions: 72 x 72 mm (7204) or 96 x 96 mm (9604 / 9620)
- Version S: increased protection against shock and vibration
- Colour of scale: white, imprint: black

Product description

The analog measuring instruments of the 9604 / 7204 series are designed for indication of measuring values provided by BENDER devices equipped with the appropriate output. These are for example A-ISOMETERs® and residual current monitors RCM / RCMA.

Measuring instruments for A-ISOMETERs®

Please consider the internal resistance of the respective insulation monitoring device. The internal resistance must be equal to the scale centre point (e. g. 120 kΩ). The scales are available with hairline graduation or sector graduation.

“Standard” version

The enclosures are made of polycarbonate, which is self-extinguishing and of non-melting material according to UL94V0. For saving space, several instruments can be installed „closely together“ without spacers. Connection is made via hexagon head bolts with spring-loaded terminal clamps. The enclosure is delivered with connection protection against accidental contact according to BGV A3.

“S” version

The measuring instruments of the “S” series are designed to meet the requirements of rough service conditions, e. g. for use on ships.

Ordering details and A-ISOMETER® allocation

Type	Input current	Dimensions	Art. No.	Possible A-ISOMETER®
7204-1421	0...400 µA	72 x 72 mm	B 986 763	IR470 LY-4..., IRD1007L-4..., IRDH275 / 375
9604-1421	0...400 µA	96 x 96 mm	B 986 764	IR470 LY-4..., IRD1007L-4..., IRDH275 / 375
7204S-1421	0...400 µA	72 x 72 mm	B 986 804	IR470 LY-4..., IRD1007L-4..., IRDH275 / 375
9604S-1421	0...400 µA	96 x 96 mm	B 986 784	IR470 LY-4..., IRD1007L-4..., IRDH275 / 375
9620-1421	0...20 mA	96 x 96 mm	B 986 841	IRDH275B / 375B / 575
9620S-1421	0...20 mA	96 x 96 mm	B 986 842	IRDH275B / 375B / 575

Technical data

Test voltage	3kV	Degree of protection acc. to DIN 60529	
Accuracy class acc. to DIN 43780	1.5	Enclosure	IP52
Position of normal use	vertical + 5 degree	Terminals	IP00
Temperature range	-25...+40 °C	Terminals with protection against accidental contact	IP20