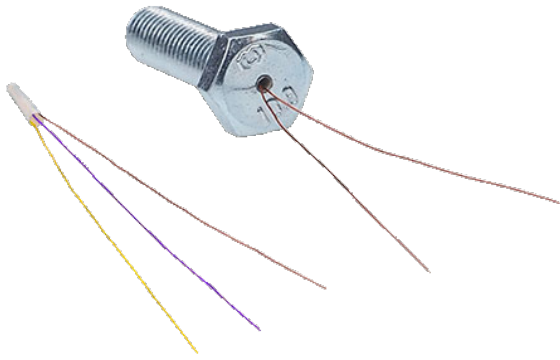


LB11

Cylindrical linear strain gage

Special features

- Cylindrical design for measurements in bolts
- Simple connection thanks to integrated paint-insulated copper wires



Specifications

Strain gage construction		Foil strain gage
Diameter	mm	1.9 ±0.05
Recommended drill hole diameter	mm	2 ±0.1
Measuring grid		
Material		Constantan
Thickness	µm	5.1
Carrier		
Material		PEEKF
Thickness	µm	25 ±5
Covering agent		No
Connections		Paint-insulated copper wire
Diameter	mm	0.2
Length	mm	60
Nominal (rated) resistance	Ω	120
Resistance tolerance	%	0.35
Gage factor		2.04
Gage factor tolerance	%	±1.0
Nominal value of the gage factor		2.04
Temperature coefficient of the gage factor	10-6/K	93 ±10
Transverse sensitivity	%	1.3
Operating temperature range		
For static measurements	°C	-200 ... 140
Recommended adhesive		1-EP70

Subject to modifications.

All product descriptions are for general information only. They are not to be understood as a guarantee of quality or durability.

Hottinger Brüel & Kjaer GmbH

Im Tiefen See 45 · 64293 Darmstadt · Germany
Tel. +49 6151 803-0 · Fax +49 6151 803-9100
Email: info@hbkworld.com · www.hbm.com