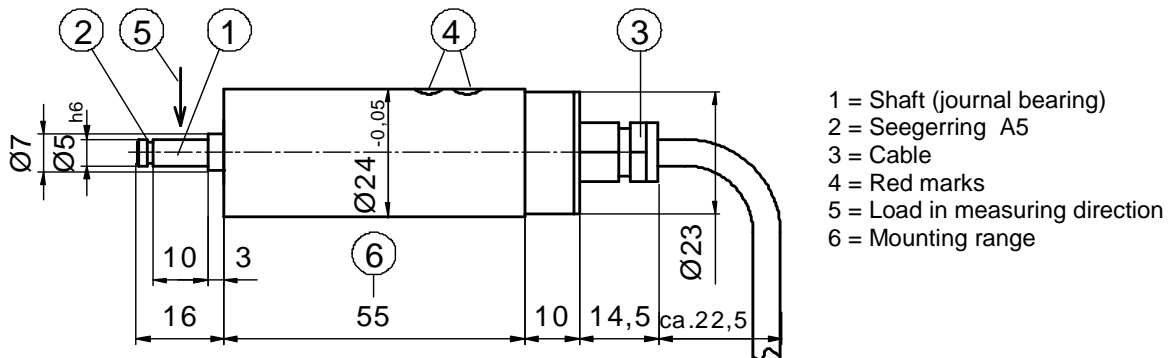


Technical data *Radial Force Sensor Series M 1192 KA*

Dimensions Radial Force Sensor Series M 1192 KA:



Type M 1192 KA is a radial-force sensor without amplifier.
 For transformation the low measuring-voltage into a norm-signal, it needs an external amplifier.

Therefore Tensometric amplifiers are suited : KMV 10, MV 10 (without display)
SA DMS 610, SA DMS 310 (with display)

Nominal loads: 2 N, 3 N, 4 N, 5 N, 6 N, 10 N, 20 N, 30 N others on request
Overload protection: > 10 times the nominal load

Protection: IP 50

Journal-bearing (shaft): standard Ø 5 mm, fixing the measuring roller by means of a Seegerring
 other shafts or roller-fixing upon request

Material: (tube) housing : stainless steel shaft : aluminium alloy

Electrical connection: M 1192 5-pol. connector
 M 1192 KA shielded, fixed cable - standard length 3 m
 upon request: 5 m. Shield is connected to the housing.

Mounting Mounting into a hole Ø 24 mm, locking by means of screw-pressure on the tube
 Mounting into a chucking tool Ø 24 mm.
 Mounting by using Tensometric clamping device Z 1190 or Z 1391

Series :
 Type M 1192: Realization the measured data via strain-gages, electrical connection via 5-pol. connector
 Type M 1192 KA: Realization the measured data via strain-gages, electrical connection via 3 m connection cable
 Type M 1392: with built-in amplifier. Technical data please see separate data sheet

Measuring principle:	strain-gage, full-bridge	Resistance input:	350 Ohm
Measuring range:	1 % up to min. 115%	Resistance output:	350 Ohm
Charact. Value:	1,5 mV / V	Error in measurement:	< ± 03 %
Charact. value tolerance:	< ± 0,2 %	max. error in line:	< ± 0,2 %
Charact. range of temp.:	+ 5°C ...+ 60°C	Reference- voltage:	10 V
Coef. of temperature:	< ± 0,02% / °C	Max. service- voltage:	10 V

Volume of delivery: M 1192 Sensor without measuring roller, 5-pol. connector
 Instruction manual with calculation tabular
 M 1192 KA Sensor without measuring roller, fixed cable 3 m long
 Instruction manual with calculation tabular

Accessories available Connection cable, amplifier with or without display
 measuring roller, clamping device Z 1190 or Z 1391