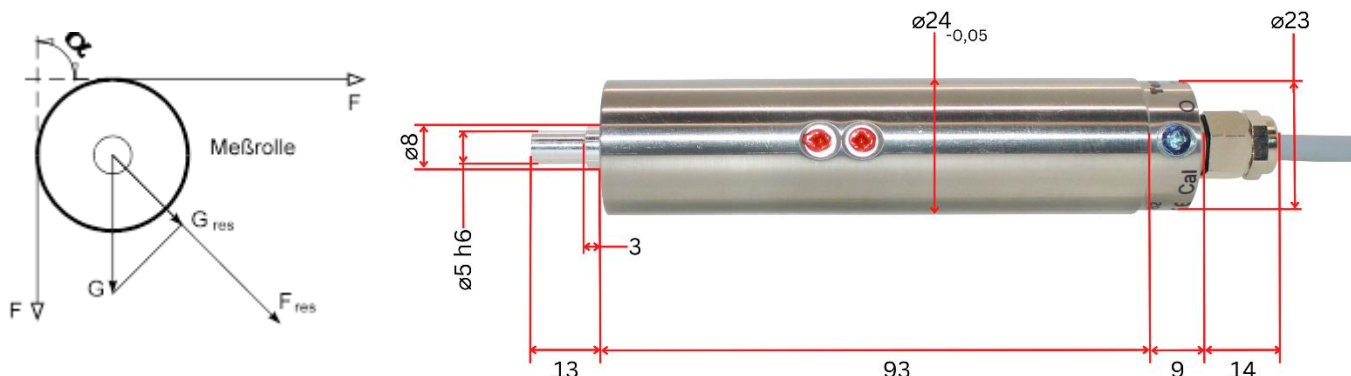


Technical data**Radial Force Sensor M 1392/1492****Radial Force Sensor****Dimensions :**

Type M 1392 is with built-in amplifier.

It supplies an output signal of 0 to +10V, corresponding to 0-100% the nominal load.

To adjust the electrical zero and the gain (calibration), the corresponding potentiometer are accessible from outside on cable site. With the M-1492 there is also the analogue output of 4-20mA, the sleeve is then 21mm longer.

By ordering this type - the desired service-voltage must be indicated.

Service-voltage and output-signal are galvanic separate. (not with ± 15 V!)

Connection- cable is fixed, 3 m long. Shield of the connection cable is connected to the housing.

Application: Tensile force measurement on thin and flexible material

Nominal loads: 1 N, 2 N, 5 N, 10 N, 20 N, 30 N or 50 N others upon request

Overload protection: > 10 times the nominal load

Protection: IP 50

Journal- bearing (shaft): standard \varnothing 5 mm, fixing the measuring roller by means of a Seegerring axle \varnothing 6x9.9mm, with an M3 internal thread
other shafts or roller-fixing upon request

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

Electrical connection: shielded, fixed cable - standard length 3 m
upon request: 5 m. or 30cm with M12 plug.
Shield is connected to the housing.

Mounting: Mounting into a hole \varnothing 24 mm, locking by means of screw-pressure on the tube
Mounting into a chucking tool \varnothing 24 mm.
Mounting by using Tensometric clamping device Z 24V+H or Z 1391

Measuring principle: strain-gage, full-bridge

Measuring range: 1 % up to min. 120 %

Charact. range of temp.: +5°C ...+60° C

Coef. of temperature

- of the zero: < 0,05% / °C

- of the measuring range: < 0,04 % / °C

Error in measurement: < \pm 0,3 %

max. error in line.: < \pm 0,2 %

Service voltage: 24 V \pm 10% < 25 mA

Adjusting range zero: \pm 20% of the nom. load

Adjusting range gain: \pm 20% of the nom. load

Output signal: 0 ... \pm 10 V/ 4-20mA

Output current max.: 2 mA

RL max. 500 Ω

Volume of delivery: Sensor without measuring roller, fixed connection cable
Instruction manual with calculation tabular

Accessories available Connection cable, amplifier with or without display
measuring roller, clamping device Z 24H+V or Z 1391