HYDRAULIC FORCE GAUGE

PCE-HFG 2.5K-E100



- **Stainless steel force gauge**
- **Measurement of static compressive forces**
- **Ring force transducer and pressure adapter**
- **Screw mount for axial assembly**
- **Integrated drag pointer**
- **Pressure force display in Newton [N]**

A force measuring device is based on the principle that the force acting on the pressure adapter is measured hydraulically. The hydraulic pressure generated is displayed by the force measuring device on a scale in Newtons. With the integrated drag pointer, our force measuring device can display the respective maximum measured value.
Another special feature of the force measuring device is the 27 mm ring opening. With this ring opening, measurements can be carried out with the force measuring device on, for example, guide rails, shafts and also bolts of, for example, a hydraulic press. With the insertable punch adapter, the force measuring device can be converted from a ring force measuring device into a pressure punch force measuring device in a matter of seconds. The force transducer can therefore be used flexibly.
A force measuring device is used wherever forces act that are to be measured. A force measuring device is therefore ideally suited for maintenance measurements and adjustment work on, for example, industrial machines.

Specification

Force	
Measuring range	0 ... 2500 N
Resolution	100 N
Accuracy	±1.95 % v.E.

General technical data	
Units	N
Display Typ	Analogue
Sensor	Hydraulic force transducer
Other dimensions	Hydraulic hose: 100 cm Display dimensions: Ø55 mm
Fastening	holes 2 x M6
Protection class (device)	IP52
Operating conditions	0 ... 50 °C , 20 ... 90 %RH
Storage conditions	-10 ... 60 °C , 20 ... 90 %RH
Dimensions (L x W x H x ø)	1170 x 100 x 28 x 55 mm
Weight	1600 g

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