

Piston-spring gauges

TKF 2020



Symbol



Due to their construction our piston-spring gauges are robust, overload-proof, vibration- and shock resistant.

In contrast with conventional bourdon-tube gauges or diaphragm pressure gauges they can be used for continuous operation, that means a shut-off valve is not necessary.

The combination of 360° rotation without any tool, even under pressure, and the readable scales in bar and psi maximize the operator convenience.

TECHNICAL DATA

General information	
Housing	aluminium anodized
Inspection glass	polycarbonate
Medium-affected parts	piston (stainless steel), basic body (brass)
Rod seal	NBR, FKM or EPDM
Pressure port	G 1/2, wrench size 27, brass
Throttle hole	ø 0,6 mm
Mounting position	arbitrary
Weight	approx. 0,5 kg

Hydraulic data	
Ambient temperature limits	- 20 °C to + 90 °C
Pressure medium	mineral oil (HL, HLP) acco. DIN 51524, compressed air, tap water
Viscosity range	10 to 800 mm ² /s
Display accuracy	approx. ± 5 %

Other details	
Scaling	lasered in bar and psi
Display	pressure status readable by 4 sides
Housing	360° rotatable

ORDER CODE

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Basic type

Pressure range

Pressure range		max. Pressure
16 = 0 - 16 bar	(0 - 200 psi)	$p_{max} = 100$ bar
40 = 0 - 40 bar	(0 - 500 psi)	$p_{max} = 100$ bar
100 = 0 - 100 bar	(0 - 1250 psi)	$p_{max} = 350$ bar
160 = 0 - 160 bar	(0 - 2500 psi)	$p_{max} = 400$ bar
200 = 0 - 200 bar	(0 - 2750 psi)	$p_{max} = 400$ bar
250 = 0 - 250 bar	(0 - 3500 psi)	$p_{max} = 600$ bar
315 = 0 - 315 bar	(0 - 4500 psi)	$p_{max} = 600$ bar
400 = 0 - 400 bar	(0 - 5000 psi)	$p_{max} = 800$ bar
630 = 0 - 630 bar	(0 - 9000 psi)	$p_{max} = 800$ bar

Seals

without = NBR (hydraulic)

S = FKM
(for flame retardant and bio degradable oils)

A = NBR (pneumatic) *

W = EPDM (water application) *

* only up to pressure range of 100 bar available

DIMENSIONS

