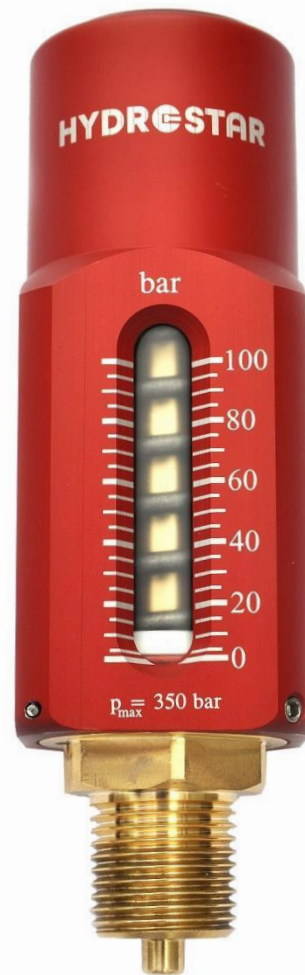


Piston-Spring Manometer TKF2020

Technical Specifications



General Information

While most generic manometers typically fail after a short time due to vibrations or overload, the TKF-Manometer outlasts even under the toughest conditions.

- ⚡ **Overpressure safety: Mechanical stop at maximum value.**
- ⚡ **TKF-Manometers are particularly suited for functional heavy-duty applications, less for sensitive pressure measurements**
- ⚡ **For measurement locations under robust conditions**

Special Features

- ⚡ **Pressure condition visible from 4 sides**
- ⚡ **Extremely robust**
- ⚡ **For non-high viscous and non-crystallizing substances**
- ⚡ **Overload-proof**
- ⚡ **High vibration- and shock resistance**
- ⚡ **Nominal range 0 to 630 bar**
- ⚡ **Scale with pressure specifications in bar and psi**
- ⚡ **Decades-long proven principle**



Piston-Spring Manometer

Technical Specifications



Safety Plus

- ⚡ Threaded cover with dual fence.
- ⚡ New connection technology between housing and connection thread. No safety-critical opening of the TKF-Manometer at disassembly. Constructively, the complete casing stays rotatable for 360° even under pressure and allows for tool-free alignment for an optimal viewing angle.

Technical Specifications

- ⚡ Anodised aluminium housing for higher resistance. Laser cut scale for accurate reading.
- ⚡ Throttle bore \varnothing 0,6 mm plus damping
- ⚡ Process-fitting G 1/2", SW27, brass
- ⚡ Indication accuracy approx. \pm 5 % (for 10 to 100 % of the display range)
- ⚡ Hydraulic contact components
Piston (stainless steel), base body (brass) and rod seal
- ⚡ Rod seal NBR-70 (standard) or FKM-70
- ⚡ Permissible temperatures - 20 °C ... + 90 °C (Standard)
- ⚡ Viewing panel polycarbonat
- ⚡ Hydraulic fluids on mineral oil basis, flame retardant hydraulic fluids, environmentally friendly hydraulic fluids. Additional pressure media available on request.
- ⚡ Weight approx. 0,5 kg

Display range for positive pressure

⚡ Pressure area	⚡ Piston- \varnothing	⚡ Maximum pressure
0 - 100 bar	6 mm	350 bar
0 - 160 bar	5 mm	400 bar
0 - 200 bar	5 mm	400 bar
0 - 250 bar	4 mm	600 bar
0 - 315 bar	4 mm	600 bar
0 - 400 bar	3 mm	800 bar
0 - 630 bar	3 mm	800 bar

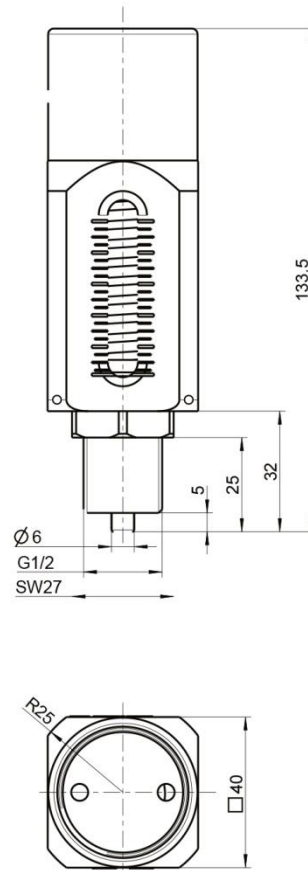


Piston-Spring Manometer

Technical Specifications



Scale dimensions 1:2





Piston-Spring Manometer

Technical Specifications

Order Information

TKF 2020

/

1.

/

2.

Basic type TKF 2020

1. Display range:

Pressure range	Maximum pressure
0 - 100 bar	$P_{max} = 350$ bar
0 - 160 bar	$P_{max} = 400$ bar
0 - 200 bar	$P_{max} = 400$ bar
0 - 250 bar	$P_{max} = 600$ bar
0 - 315 bar	$P_{max} = 600$ bar
0 - 400 bar	$P_{max} = 800$ bar
0 - 630 bar	$P_{max} = 800$ bar

2. Customization:

None	=	Basic version
S	=	FKM seal
H₂O*	=	Operating medium water

Different combinations are possible, details are separated through forward slash.

* When using water as the medium, grease buffer is necessary (shorter life span) – it is best to use a diaphragm seal, which is connected in advance!

