

Note:

This technical description only refers to TMJG 100D gauges with serial numbers prefixed by the letter E. e.g. E03220123. For details on the previous generation of TMJG 100D gauges [click here](#)

Application

This high precision digital pressure gauge has been designed to accurately measure the hydraulic pressure when mounting bearings with the SKF [Drive-up method](#). The gauge is also suitable for other applications where the pressure has to be determined with high accuracy, up to pressures of 100 MPa (15,000psi).

Description

The gauge uses a piezo-resistive element, that produces a pressure related signal. This signal is converted, by the electronics of the instrument, into a digital read out.

The gauge displays both the actual measured pressure and the maximum pressure at the same time. The measurement units displayed, can be selected by user to read in either MPa or psi.

The gauge can be used with SKF pumps 729124, TMJL 50 and TMJL 100 and can also be connected directly to an SKF hydraulic nut type HMV.. E. [Click here](#), for detailed information regarding the principle behind the mounting method.

Safety recommendation

For safety reasons never apply pressures above 100 MPa/15,000 psi.

Accessories

A rubber protection sleeve to protect the gauge from impacts when mounted on a pump is available. Designation: TMJG S76



Technical data

Designation	TMJG 100D
Measuring range	0 - 100 MPa, 0-15,000 psi
Resolution	0,02 MPa, 3psi
Total accuracy	<0.2% FS
Connection thread	G 1/4
Diameter	76 mm (3.0 in)
Response time	400ms
Sensor	Piezo-resistive element
Operating temp.	0°C to 50°C/32°F to 122°F
Functions	ON/OFF with automatic switch off after 30 minutes Unit Selection (MPa/psi) Max reset
Battery type	3 Volt Lithium cell CR 2430
Battery life	1400 hours (continuous operation)
Weight	210g / 7.5 oz.
Protection	IEC 529 IP65

Application description



