

Model: 5214ZGP
Replaces models 214 & 215

150 / 250mm STANDARD TEST GAUGE 0.25%
with Stainless Steel Bourdon Tube and Block



This Test gauge can be used for the calibration of pressure gauges, transducers and transmitters; pneumatic controllers, transmitters and valves. It can also be used in the measurement of pressure on test beds, the use in Hydraulic tests of pipework or pressure vessels, the setting of relief valves, the measurement of pore water pressure and Efficiency testing of steam turbines.

For Beryllium Copper & Brass wetted parts, see model 5214GP.

Sizes

150, 200, 250mm

Mounting

Direct - Model 5214FZGP
Surface - Model 5214FZGP
Flush - Model 11/5214ZGP

Scale Ranges

Vacuum through to 2500 Bar.

Pressure Connection

316 Stainless Steel.
Screwed 3/8" BSP, 1/2" BSP / NPT, 1/4" NPT.
Others available on request
Option: Restrictor in Inlet.

Pressure Element

316 Stainless Steel Bourdon tube.
(Ni-Span 'C' above 400 Bar)
Option: BeCu on request

Overload Accuracy

Standard as Table 12, Section 9.4.1.2 of EN 837-1

Accuracy Class

0.25%

Weatherproof Rating

IP54

Temperature

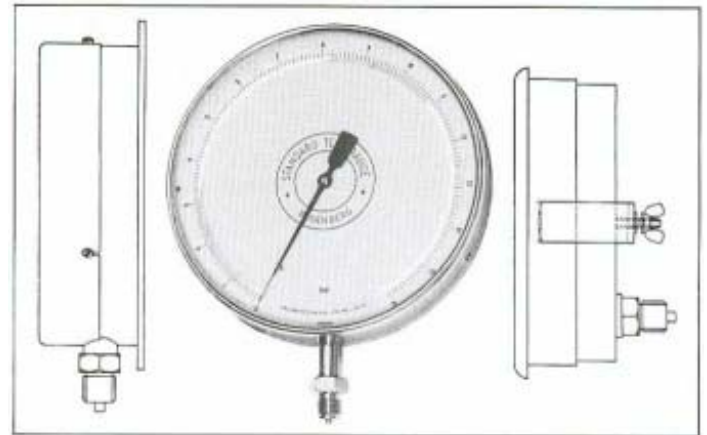
Operating -20 up to +90°C
Storage -40 up to +100°C

Temperature Effect

Variation if indication caused by temperature shall not exceed
 $\pm 0.04 \times (t_2 - t_1)\%$ of the span.
 t_1 is the reference temperature in degrees Celsius
 t_2 is the ambient temperature in degrees Celsius

Installation instructions

Refer to EN 837-2



Case

Aluminium LM6 Saety Pattern case, dark grey finish, chromium plated brass bezel, IP54.

Window

Laminated Safety Glass

Bezel

Polished Stainless Steel
Option: Die-cast aluminium finished in black (Flush Mounting only)

Dial

Aluminium, white with black graduations, marked with extra divisions, fine lines and anti-parallax polished mirror for better readability.
All dials are individually calibrated and incorporated a unique serial number.
Option: Custom graduated dials on application.

Pointer

Black anodised aluminium, with micrometer adjustment. Knife-edged tip to eliminate parallax error.

Movement

304 Stainless Steel Jewelled movement with glass bearings.

Safety

All gauges designed and manufactured in accordance with EN 837-1. All cases incorporate a central partition, solid front baffle and full blow-out back.
Full Safety Pattern Construction (GP) as a standard

Medium Used

When ordering, it must be stated whether the medium used in the gauge is liquid or gas.