APPLICATIONS
Duplex pressure gauges are used for pressure measurement of two independent points. An easy solution for users seeking to reduce system complexity and cost, this model provides high reliability and performance. An ideal product for satisfying critical installation requirements.

STANDARD SPECIFICATION
Duplex Gauge (Weatherproof Construction to IP66)
Two independent systems and movements

Sizes
100 and 150 mm

Case/ Bezel
316 Stainless Steel

Socket & Element
316 Stainless Steel

Movement
Stainless Steel Construction

Blowout Protection
Blow-out plug at the top of the case

Dial
White Anodised Aluminium (Black Printing)

Pointer
Non-adjustable red and black painted aluminium pointers

Window
Sheet Glass

Traceability
All instruments are individually calibrated and have an unique Serial Number.

Certification available on request
- Certificate of Conformity Traceable to National Standards
- Group Certification (Pressure Test Calibration Statement)
- Point to Point Test Certificate
- BS EN 10204 3.1 Material Certification

Safety
All units are manufactured to comply with EN 837-1, S1 Blowout device specification and other regulatory standards including PED 2014/68/EU.

Installation instructions
Refer to EN 837-2 and our Guidance On Use of Equipment data sheet.

Accuracy class
2% Accuracy

Over-pressure

<table>
<thead>
<tr>
<th>Pressure Range</th>
<th>Over-pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 100 bar</td>
<td>&gt;100 - 600 bar</td>
</tr>
<tr>
<td>1.25 x FSD</td>
<td>1.15 x FSD</td>
</tr>
</tbody>
</table>

Gauge over-pressure up to 130% of FSD

Scale Range
100 & 150mm gauges 0 to 600 bar
Or other equivalent units of pressure or vacuum

Pressure Connection Thread
¼" NPT, BSPT (½" Threads limited to 400 bar)

Model-2021 Surface Mounted (Bottom Connection)
Model-2022 Direct Mounted (Bottom Connection)
Model-2023 Flush Mounted Screw Fixing (Rear Connection)
Model-2024 Flush Mounted Clamp Fixing (Rear Connection)

See Page-2 for dimension

Operating Temperature Range EN837
-20° to 60°C (-4°F to 140°F)
Options for lower/Higher operating ranges (Contact Sales)

Temperature Error
Additional error when temperature changes from reference
Temperature of 20°C (68°F) ±0.4% for every 10°C (18°F) rising or Falling % of span

Optional Extras
- Optional dial materials & Custom markings
- Monel according to ISO 15156 / NACE MR-01-75 wetted parts
- Other pressure connections
- Laminated safety glass / Perspex window
- Customer logo printed on dial
- Liquid filled / Suitable for liquid filling

Further options on request

Available with a wide range of accessories
Syphons, Snubbers, Overrange gauge protectors, Valves, Manifolds, Diaphragm seals, Swivel adaptors, etc ensures that STEWARTS can provide you with the right product to suit any individual application or requirement.

Specifications and dimensions in this leaflet, are subject to change without prior notice.
MODELS-2021, 2022, 2023, 2024

All stainless steel construction Pressure Gauges

STEWART-BUCHANAN GAUGES LTD

Sales Office & Manufacturing Facility - 7 Garrel Road, Burnside Industrial Estate, Kilsyth, Glasgow G65 9JX, SCOTLAND
Tel: +44 (0)1236 821533 | Fax: +44 (0)1236 824090 | E-mail: sales@stewarts-group.com | Web: stewarts-group.com

DATA SHEET REF: 202-REV01-18

MODELS-2021, 2022, 2023, 2024

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All stainless steel construction Pressure Gauges

STEWART-BUCHANAN GAUGES L TD

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MODEL 2023

FLUSH MOUNTED SCREW FIXING

MODEL 2021

SURFACE MOUNTED

MODEL 2022

DIRECT MOUNTED (STANDARD)

MODEL 2024

FLUSH MOUNTED CLAMP FIXING

3 HOLES Ø"M"
ON "N" PCD @ 120°

General Arrangement Dimensions in mm, tol ± 1mm

<table>
<thead>
<tr>
<th>Dial Ø</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>O</th>
<th>Panel cut-out</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; (100mm)</td>
<td>104</td>
<td>121</td>
<td>48</td>
<td>100</td>
<td>99</td>
<td>46</td>
<td>58</td>
<td>18</td>
<td>10</td>
<td>132</td>
<td>70</td>
<td>54</td>
<td>6</td>
<td>118</td>
<td>112</td>
<td>109</td>
</tr>
<tr>
<td>6&quot; (150mm)</td>
<td>104</td>
<td>184</td>
<td>45</td>
<td>101</td>
<td>159</td>
<td>47</td>
<td>63</td>
<td>18</td>
<td>10</td>
<td>196</td>
<td>103</td>
<td>54</td>
<td>6</td>
<td>178</td>
<td>161</td>
<td>165</td>
</tr>
</tbody>
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