APPLICATIONS
The Stewarts test gauge is used for inspection, test and validation of key installation points. An ideal choice for satisfying pressure measurement when highly-reliable precision is needed.

STANDARD SPECIFICATION
Standard Test Gauge with Aluminium Case & Brass Internals (Weatherproof construction to IP54)

Sizes
150 and 250mm

Case/ Bezel
Aluminium. Stove Enamelled / (Brass Bezel-Bottom Connect)

Socket & Element
Brass, Phosphor Bronze or Beryllium Copper

Movement
Brass

Blowout Protection
 Blow-out device (EN 837-1 S1)

Dial
White Anodised Aluminium (Black Printing)

Pointer
Black Aluminium (Knife Edge)

Window
Sheet Glass

Traceability
All instruments are individually calibrated and have an unique Serial Number. Calibration Certificates are issued for each gauge

Certification available on request
- Certificate of Conformity Traceable to National Standards
- Group Certification (Pressure Test Calibration Statement)
  For (316ss & Monel) only

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
ACCURACY CLASS EN837-1 (Optional) Higher Pressure

<table>
<thead>
<tr>
<th>0 - 600 bar</th>
<th>&gt;600 - 1600 bar</th>
<th>&gt;1600 - 2500 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>150mm</td>
<td>0.25 (0.6)</td>
<td>0.25 (0.6)</td>
</tr>
<tr>
<td>250mm</td>
<td>0.25 (0.6)</td>
<td>0.25 (0.6)</td>
</tr>
<tr>
<td></td>
<td>0.6 (0.25)</td>
<td>0.6 (0.25)</td>
</tr>
</tbody>
</table>

0.5% Accuracy on request (Consult Sales)
Higher Ranges on request (Consult Sales)
Over 1600 bar on rising pressure only

Over-pressure

<table>
<thead>
<tr>
<th>0 - 100 bar</th>
<th>&gt;100 - 600 bar</th>
<th>&gt;600 - 1600 bar</th>
<th>&gt;1600 - 2500 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.25 x FSD</td>
<td>1.15 x FSD</td>
<td>1.10 x FSD</td>
<td>1.10 x FSD</td>
</tr>
</tbody>
</table>

Scale Range
150 & 250mm gauges vacuum to 2500 bar
Or other equivalent units of pressure or vacuum PED 2014/68/EU limits, GAS Group.1 <1000 bar, GAS Group.2 <3000 bar

Pressure Connection Thread

<table>
<thead>
<tr>
<th>BRASS</th>
<th>MAX PRESSURE EN 837-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPT</td>
<td>BSPT (316ss / Monel)</td>
</tr>
<tr>
<td>BSPT (316ss / Monel)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>½&quot;</th>
<th>¾&quot;</th>
<th>1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 (400 bar)</td>
<td>400 (400 bar)</td>
<td>600 (1000 bar)</td>
</tr>
<tr>
<td>600 (1000 bar)</td>
<td>600 (1000 bar)</td>
<td>600 (1000 bar)</td>
</tr>
<tr>
<td>600 (1000 bar)</td>
<td>600 (1000 bar)</td>
<td>600 (1000 bar)</td>
</tr>
</tbody>
</table>

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 STEWARDS can provide you with the right product to suit any individual application or requirement.

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
- 316 Stainless Steel wetted parts
- Monel according to ISO 15156 / NACE MR-01-75 wetted parts
- Optional dial materials & Custom markings
- Other pressure connections (including high pressure)
- Perspex window
- Laminated Safety Glass
- Orifice Restrictor Screw (standard Ø0.9mm, Ø0.4mm on request)
- Customer logo printed on dial
- Gauge over-pressure up to 130% of FSD
- Safety Pattern Type with Baffle wall, EN837-1, S3 (Dimensions available on request)
- Steel case EN837-1 S1 construction (painted black)

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

Model-1071 Surface Mounted (Bottom Connection)
Model-1072 Direct Mounted (Bottom Connection)
Model-1073 Flush Mounted Screw Fixing (Rear Connection)
Model-1074 Flush Mounted Clamp Fixing (Rear Connection)
See Page-2 for dimension

Ordering Parameters, Please state the following: SIZE, MODEL NO, SCALE RANGE, CONNECTION, PRESSURE MEDIUM & OPTIONAL EXTRAS
Specifications and dimensions in this leaflet, are subject to change without prior notice.
MODEL - 1071  
Direct Mounted (Standard)  
Flush Mounted Screw Fixing

MODEL - 1072  
Direct Mounted (Standard)  
Flush Mounted - Clamp Fixing

MODEL - 1073  
Surface Mounted  
Flush Mounted Screw Fixing

MODEL - 1074  
Surface Mounted  
Flush Mounted - Clamp Fixing

General Arrangement Dimensions in mm, tol ±1mm

<table>
<thead>
<tr>
<th>Dial Ø</th>
<th>Dim 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>ø6” (150mm)</td>
<td>50</td>
<td>19</td>
<td>45</td>
<td>91</td>
<td>14</td>
<td>29</td>
<td>32</td>
<td>18.5</td>
<td>178</td>
<td>168</td>
<td>6</td>
<td>152</td>
<td>185</td>
<td>168</td>
<td>5.8</td>
<td>165</td>
</tr>
<tr>
<td>ø10” (250mm)</td>
<td>55</td>
<td>17</td>
<td>55</td>
<td>148</td>
<td>17</td>
<td>49</td>
<td>52</td>
<td>16</td>
<td>290</td>
<td>273</td>
<td>6.5</td>
<td>256</td>
<td>302</td>
<td>285</td>
<td>6.5</td>
<td>270</td>
</tr>
</tbody>
</table>

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