MODELS-1071S, 1072S, 1073S, 1074S

All stainless steel construction Test Gauges

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
All Stainless Steel Test Gauge
(150mm Weatherproof Construction to IP66) (250mm to IP54)

Sizes
150 and 250mm

Case/ Bezel
304 Stainless Steel (316 Stainless Steel can be supplied on request)

Socket & Element
316 Stainless Steel

Movement
Stainless Steel Construction

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)
- 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

<table>
<thead>
<tr>
<th>ACCURACY CLASS EN837-1 (Optional)</th>
<th>Higher Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 600 bar</td>
<td>&gt;600 - 1600 bar</td>
</tr>
<tr>
<td>150mm</td>
<td>0.25 (0.6)</td>
</tr>
<tr>
<td>250mm</td>
<td>0.25 (0.6)</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>
</tr>
</thead>
<tbody>
<tr>
<td>1.25 x FSD</td>
<td>1.15 x FSD</td>
</tr>
<tr>
<td>&gt;600 - 1600 bar</td>
<td>1.10 x FSD</td>
</tr>
<tr>
<td>&gt;1600 - 2500 bar</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

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 (Including high pressure)
- Laminated safety glass / Perspex window
- 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)

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.

High Pressure Options Available

<table>
<thead>
<tr>
<th>MAX PRESSURE EN 837-1</th>
<th>NPT (316ss / Monel)</th>
<th>BSP (316ss / Monel)</th>
<th>BSPT (316ss / Monel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>400 bar</td>
<td>400 bar</td>
<td>400 bar</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>1000 bar</td>
<td>1000 bar</td>
<td>1000 bar</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>1000 bar</td>
<td>1000 bar</td>
<td>1000 bar</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>1000 bar</td>
<td>1600 bar</td>
<td>1000 bar</td>
</tr>
</tbody>
</table>

Specifications and dimensions in this leaflet, are subject to change without prior notice.

Ordering Parameters, Please state the following: SIZE, MODEL NO, SCALE RANGE, CONNECTION, PRESSURE MEDIUM & OPTIONAL EXTRAS

DATA SHEET REF: 107s-REV01-15
MODELS-1071S, 1072S, 1073S, 1074S

All stainless steel construction Test Gauges

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General Arrangement Dimensions in mm, tof ± 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>6&quot; (155mm)</td>
<td>50.5</td>
<td>74</td>
<td>17</td>
<td>48.5</td>
<td>93</td>
<td>15</td>
<td>162</td>
<td>24.5</td>
<td>32</td>
<td>18</td>
<td>148</td>
<td>195</td>
<td>168</td>
<td>6</td>
<td>5.8</td>
<td>152</td>
</tr>
<tr>
<td>10&quot; (250mm)</td>
<td>51.5</td>
<td>*294</td>
<td>10</td>
<td>51.5</td>
<td>148</td>
<td>20</td>
<td>252</td>
<td>43.5</td>
<td>52</td>
<td>52</td>
<td>248</td>
<td>302</td>
<td>273</td>
<td>6.5</td>
<td>6.35</td>
<td>270</td>
</tr>
</tbody>
</table>

* Mounting lugs are used instead of surface flange.