DESCRIPTION

The 7065 is a precision indicator module that can be used for pressure or vacuum calibration. It is a simple operation module ideal for calibrating and cross-checking pressure gauges, sensors, transmitters, transducers, indicators, switches, and many other devices. The following versions are available: 0.2, vacuum to 2, 5, 10, 20, 35, 70, 100, 200, 400, or 600bar.

Features include a 4.5 digit LCD display, 5 pressure units, zeroing switch and pressure measurement input. Best accuracy is 0.04% of full scale. For input pressure Time Electronics have a range of pumps including the 7194 benchtop pneumatic pump (vacuum to 120bar) and 7195 hydraulic benchtop pump (vacuum to 600bar). Each pump features a double output manifold to enable connection to both the module and device under test. They can be used conveniently on the CalBench worktop to provide a precision pressure source to the 7065 and DUT, with a method that requires minimal user effort.

The 7065 is fitted as standard with an RS-232 interface which is accessible on the rear of the CalBench console or internally connected to a 7051 calibrator/control centre. This enables communication and read back with EasyCal calibration software (supplied as standard with the 7051 multifunction calibrator/control centre module). With EasyCal the user can define and perform pressure calibration procedures as well as create and print traceable calibration certificates.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Range (bar)</th>
<th>0 to 0.2</th>
<th>Vac to 2</th>
<th>0 to 5</th>
<th>0 to 10</th>
<th>0 to 20</th>
<th>0 to 35</th>
<th>0 to 70</th>
<th>0 to 100</th>
<th>0 to 200</th>
<th>0 to 400</th>
<th>0 to 600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy (% of fs)</td>
<td>0.4</td>
<td>0.04</td>
<td>0.04</td>
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<tr>
<td>Resolution (bar)</td>
<td>0.01mb</td>
<td>.0001</td>
<td>0.001</td>
<td>0.001</td>
<td>0.001</td>
<td>0.01</td>
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Units .................................................... 0.2bar: mbar, PSI, kPa, kg/cm², cmWg / Vac, 2, 5, 10 & 20bar: bar, PSI, kPa, kg/cm², cmWg 35bar and above: bar, PSI, MPa, kg/cm², Atm.

Maximum Pressure .................................... 2 x range, 1.5 x range for 20bar and above versions

Sensor .................................................. Piezo-resistive - stainless steel diaphragm

Over Pressure Warning ................................. 1.2 x range full scale - audio and visual (on LCD) warning

Fittings .................................................. Quick Release (under 20 bar) and Minimess (over 20 bar)

Interface ............................................... RS-232 for readback (using EasyCal on 7051 if ordered)

Module Width ........................................... 96mm (primary or secondary console fitting)

ORDERING INFORMATION

7065 .................................................... Pressure Indicator Module (+ pressure range code shown below)

<table>
<thead>
<tr>
<th>Option Code</th>
<th>7100</th>
<th>7101</th>
<th>7102</th>
<th>7103</th>
<th>7104</th>
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<th>7106</th>
<th>7107</th>
<th>7108</th>
<th>7109</th>
<th>7110</th>
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ECFLA .................................................. EasyCal Calibration Software. See separate data sheet for further information.

Pumps .................................................. 7194 / 7195: See separate data sheets for information, other pumps available.

C178 .................................................. Factory Calibration Certificate (NPL traceable)

C190 .................................................. UKAS Calibration Certificate (ISO 17025)