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 600 bar.

Features include a 4.5 digit LCD display, 5 selectable pressure units, zeroing switch and pressure measurement input. Best accuracy is 0.04 % of full scale. The module is also fitted as standard with an RS-232 interface with internal communication to a control centre (standard with 8060 or 7051 if ordered).

### Specifications

Specifications are for 1 year at 23 ºC ± 5 ºC. Accuracy includes linearity and long term effects. All accuracies are ± 1 digit. For operation outside specified temperature range, apply 70 ppm per °C.

<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>0.1</td>
<td>0.04</td>
<td>0.04</td>
<td>0.04</td>
<td>0.04</td>
<td>0.04</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>Resolution (bar)</td>
<td>0.01 mb</td>
<td>.001</td>
<td>0.001</td>
<td>0.001</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Units
- 0.2 bar: mbar, PSI, kPa, kg/cm², cmWg
- Vacuum, 2, 5, 10 and 20 bar: bar, PSI, kPa, kg/cm², cmWg
- 35 bar and above: bar, PSI, MPa, kg/cm², Atm.

Maximum pressure
- 2 x range, 1.5 x range for 20 bar 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
- Minimess (quick release for low pressure ranges)
- Interface: RS-232 for readback (internal to control centre if ordered).

Module width
- 100 mm (primary or secondary console fitting).

### Ordering Information

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

<table>
<thead>
<tr>
<th>Range (bar)</th>
<th>0.2</th>
<th>Vac to 2</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>35</th>
<th>70</th>
<th>100</th>
<th>200</th>
<th>400</th>
<th>600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option Code</td>
<td>7100</td>
<td>7101</td>
<td>7102</td>
<td>7103</td>
<td>7104</td>
<td>7105</td>
<td>7106</td>
<td>7107</td>
<td>7108</td>
<td>7109</td>
<td>7110</td>
</tr>
</tbody>
</table>

ECFLA
- EasyCal Calibration Software

C178
- Traceable calibration certificate (Factory)

C190
- Accredited calibration certificate (ISO 17025)

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.