The MSI Indoor Climate Monitor is an innovative system that incorporates an array of measurement units to determine air temperature, barometric air pressure, and humidity. The system is rugged and compact, whilst delivering measurements efficiently to a central computer for thorough analysis. Knowing the environmental conditions in any testing setup is essential, making this monitor and important addition to any facility.

**RUGGED AND COMPACT**

**HARDWARE**

- Measurements are available for air temperature, barometric air pressure, and humidity.
- 8 analogue to digital inputs can be used for additional data inputs.
- Thermal sensors typically occupy the additional data inputs in order to analyse temperature trends over a metallic surface e.g. a test barrel.
- Optional interface units are available.
- All meteorological data can be fed back to the central range computer for each shot during a trial, allowing a detailed record to be built of environmental conditions for each firing event.

**SPECIFICATION**

<table>
<thead>
<tr>
<th>MEASUREMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barometric Pressure Range</td>
<td>800 to 1100mbar ±0.2%</td>
</tr>
<tr>
<td>Humidity Range</td>
<td>5-100% ±2.5%</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>0°C - +60°C [32°F – 140°F]</td>
</tr>
<tr>
<td>Inputs</td>
<td>8x 10-Bit A/D</td>
</tr>
</tbody>
</table>

**POWER/COMMS**

Ballistic Data Acquisition System (BDAS) Type 680

Universal Receiver Type 681-700

Projectile Velocity Measurement System (PVMS)

**USED WITH**

**MS INSTRUMENTS Range Consultancy**

- Professional Bespoke Range Designs
- State-of-the-Art Product Rendering
- Only the Latest Standards

ISO 9001 SCS cert. No. 980010
598-indoorclimatemonitor - Jul-17

The information in this document is correct at the stated time. MS Instruments Ltd has a policy of continuing development and reserves the right to make design changes/improvements to the products.