BALLISTIC DATA ACQUISITION SYSTEM (BDAS) TYPE 680

Quick, Simple, and Helpful

BALLISTIC DATA ACQUISITION SYSTEM [BDAS] TYPE 680
Primarily used for Electronic Pressure Velocity and Action Time (EPVAT) measurement, BDAS is a precision, integrated unit that gathers data for complete ballistics analysis. With a variety of possible configurations, this multipurpose unit has been developed to combine the many useful, individual properties of MSI instrumentation. The resulting sophisticated and versatile product can be utilised in the measurement of velocity and rate of fire of a projectile; port and chamber pressure within the weapon and the action time.

HARDWARE/SOFTWARE

- **Ballistics DB** is a Windows program which, when run on the Range Processor, allows for simple data exchange and provides data in standard Excel/Access file formats.
- **Standard User Interface** typical in Windows gives a rapid familiarity with the software, reducing training requirements.
- **Self-Arming Software** allows for largely hands-free operation during use. All data is safely logged to disk after each round.
- **Two Digital Charge Amplifiers** are fitted to ensure that all instrument settings are set electronically and recorded with the data for optimum data integrity.
- **Option of two integral Charge Amplifier types:** Kistler type 5037 or Kistler type 5018A.

SOPHISTICATED AND VERSATILE

**SPECIFICATION**

<table>
<thead>
<tr>
<th>POWER/COMMS</th>
<th>85-264V AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>2-Channel 10MHz 12-bit</td>
</tr>
<tr>
<td>A/D Card</td>
<td>6x 19-pin</td>
</tr>
<tr>
<td>Connections</td>
<td>10X TTL</td>
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<tr>
<td></td>
<td>2x AUX</td>
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<td></td>
<td>2x BNC</td>
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<tr>
<td>FILTERS</td>
<td>Butterworth</td>
</tr>
<tr>
<td></td>
<td>0-500kHz</td>
</tr>
<tr>
<td>ENVIRONMENT</td>
<td>Operating Temperature</td>
</tr>
<tr>
<td></td>
<td>0°C - 60°C [32°F - 140°F]</td>
</tr>
<tr>
<td>Humidity</td>
<td>95% non-condensing</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>L x W x H</td>
</tr>
<tr>
<td></td>
<td>650mm x 500mm x 150mm</td>
</tr>
<tr>
<td></td>
<td>[25.6in x 19.7in x 5.9in]</td>
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<td>Weight</td>
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POWER/COMMS

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- 2-Channel 10MHz 12-bit
- 6x 19-pin
- 10X TTL
- 2x AUX
- 2x BNC

FILTERS

- Butterworth 0-500kHz

ENVIRONMENT

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- Humidity: 95% non-condensing

DIMENSIONS

- L x W x H: 650mm x 500mm x 150mm
- Weight: 15kg [33.1lbs]

USED WITH

- Universal Receiver Type 681-700
- Optical Detector Type 858
- Ballistics DB Control Software Type 950-571

MS INSTRUMENTS Range Consultancy

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

ISO 9001 SCS cert. No. 980010
680-ballisticdataacquisitionsystem - Apr-18

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.