



# PRESSURE MEASUREMENT SYSTEM (PMU) TYPE 683

*Quick, Simple, and Helpful*

## PRESSURE MEASUREMENT SYSTEM [PMU] TYPE 683

Primarily used for Electronic Pressure Velocity and Action Time (EPVAT) measurement, the PMU, used with the timer unit type 818, is a precision, integrated system 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.



Front View



Rear View

## SOPHISTICATED AND VERSATILE

### 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.

### SPECIFICATION

POWER/COMMS	
Power	85-264V AC
A/D Card	2-Channel 10MHz 12-bit
Connections	<ul style="list-style-type: none"> <li>6x 19-pin</li> <li>2x BNC</li> <li>2x AUX</li> </ul>
FILTERS	
Butterworth	0-500kHz
ENVIRONMENT	
Operating Temperature	0°C - 60°C [32 °F - 140 °F]
Humidity	95% non-condensing
DIMENSIONS	
L x W x H	650mm x 500mm x 150mm [25.6in x 19.7in x 5.9in]
Weight	15kg [33.1lbs]

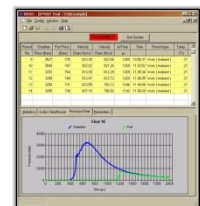
### USED WITH



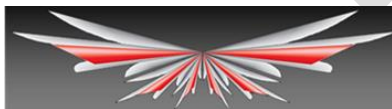
Universal Receiver Type 681-1000



Optical Detector Type 858



Ballistics DB Control Software Type 950-571



## MS INSTRUMENTS Range Consultancy

*Precision, Expertise, Quality*

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



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