MS Instruments

PVMS TEST SET TYPE 761-200

Ensuring Constant Performance

PVMS TEST SET TYPE 761-200

The PVMS Test Set Type 761-200 has been designed as an aid to testing and servicing the Projectile Velocity Measurement System (PVMS) under laboratory conditions.

With the Test Set, it is possible to simulate the passage of various projectiles over the Optical Detectors under a variety of background lighting conditions, ensuring consistent success when the PVMS is used in trials and leading to a faster, more cost-effective testing process.

CONSISTENT SUCCESS

HARDWARE/SOFTWARE

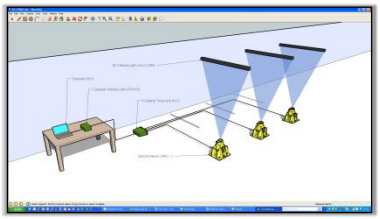
- LED Transmitter Units are used in place of the lenses in the Optical Detector units of the PVMS.
- Illumination and Triggering of an Optical Detector is simulated by radiation emitted when a current passes through the LED.
- Background Lighting Conditions are simulated by the DC component of the LED current.
- Projectile Passage is simulated by decreasing the standing LED current.
- Current Pulses simulate the time interval between pulses on the start and stop channels.

SPECIFICATION

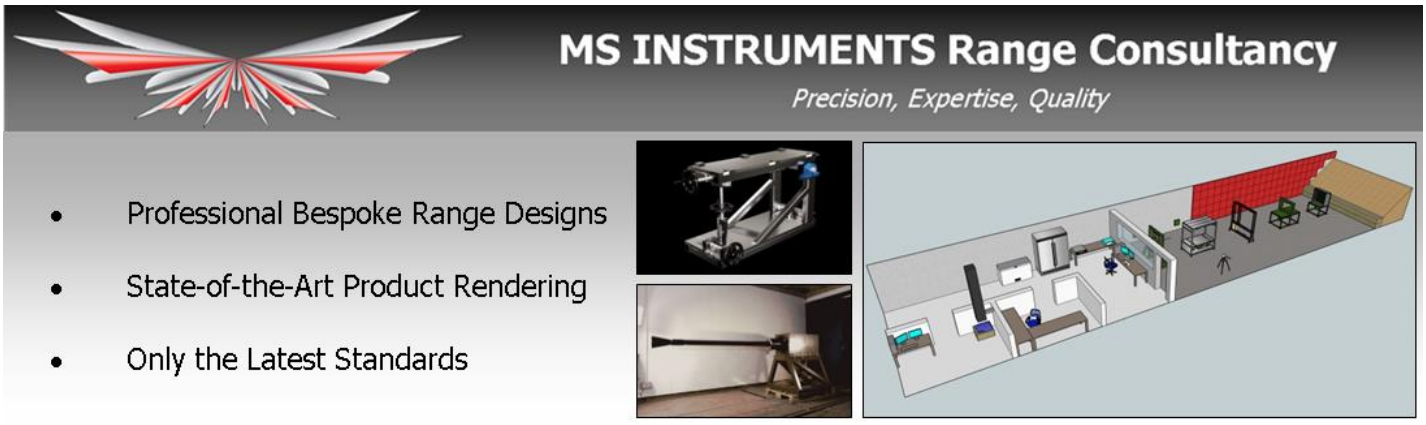
TESTS	
Timer Test	Up to 3 velocity pairs
System Test	1x start-and-stop pair
POWER/COMMS	
Power	110V-240V
Connections	• 6x 19-way Timer Test • 2x BNC LED Emitters
ENVIRONMENT	
Operating Temperature	0°C - 50°C [*32°F - 122°F*]
Humidity	Indoor Use Only
DIMENSIONS	
L x W x H	250mm x 250mm x 120mm [*9.8in x 9.8in x 4.7in*]

USED WITH

Optical Detector Type 858



Project Velocity Measurement System



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ISO 9001 SCS cert. No. 980010
761-200-pvmstestset - Jun-15

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