



Ensuring Constant Performance



HARDWARE/SOFTWARE

- **Start and stop detectors** identify a small change in illumination when a projectile passes through the detection area, and translate this into an output pulse.
- **BNC connectors** provide a TTL/12V output pulse, which may be used to trigger other equipment, such as a high-speed camera.
- **Automatic gain control** system compensates for dust and dirt on sensor windows.
- **Built-in diagnostics** report if light has been damaged by the means of a LED and sounder.

VELOCITY SCREEN TYPE 859

The MSI Velocity Screen Type 859 is an integral component of MS Instruments' Range Equipment, most commonly used as part of the Indoor Velocity Measurement System (IVMS).

The Velocity screen can be used with all nature of projectiles including tracer. They are fitted to a trolley for ease of use at a sensor separation of 1m but can be supplied on larger sensor separation if required.

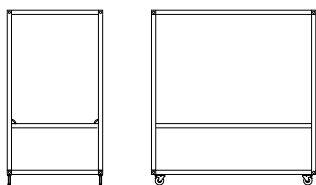
This design has been created to bring a larger detection area and ease of use at a competitive price.

EASY AND AFFORDABLE

SPECIFICATION

HARDWARE	
Active Area	1m x 1m
Safe Clear Passage	990mm x 990mm
PROJECTILES	
Projectile Calibre	5.56mm to 12.7mm
Projectile Velocity	50m/s to >3000m/s
POWER/COMMS	
Power Supply	Remote Unit via multicore cable
Trigger Pulse	Fed by line driver to timer unit
BNC Trigger Outputs	50Ω TTL Can be preconfigured for rising/falling edges 50Ω 12V Can be preconfigured for rising/falling edges
ENVIRONMENT	
Operating Temperature	0°C - 50°C 32°F - 122°F
Humidity	95% non-condensing
DIMENSIONS	
H x W x L	1320mm x 1090mm x 50mm 52.0in x 43.0in x 2.0in
Weight	10kg [22.0lbs] each

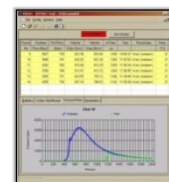
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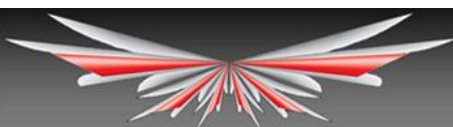
Velocity Trolley Type 859 250AS



Four-Channel Remote Unit Type 818



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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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.