



*Instant, Accurate Bomb Scoring*



## BOMB SCORING SYSTEM TYPE 650

The MS Instruments semi-automatic bomb scoring system is an advanced system that measures the bearing of a visible bomb or rocket strike.

A rugged, compact system, the bomb scorer uses quick, intuitive technology to give rapid feedback to the user, reducing training time and costs.

Instant and accurate, this bomb scoring system is a consistent performer.

## QUICK, INTUITIVE TECHNOLOGY

### HARDWARE/SOFTWARE

- **Two Sighting Devices** are placed a known distance apart, giving separate bearings of the hit position. The calculated intersection gives the hit co-ordinate in relation to the aircraft approach track.
- **Pivoting Arm** on which the sighting device is mounted connects to a sensor via a spindle.
- **Electronic Sensor** is attached to the underside of the sighting frame. It converts the angular position of the pivoting arm into a bearing that is displayed on the Bomb-Court Control Unit. The Bearing is confirmed with a single button press.
- **Strafing Range Processor** combines both bearings to calculate the position of impact.

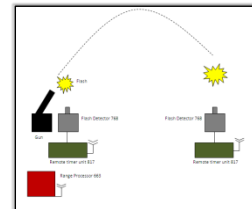
### SPECIFICATION

HARDWARE	
Bearing Resolution/Accuracy	0.01° (~0.5m at 2000m)
POWER/COMMS	
Power	12V DC
Communication	Cable or Wireless Link
Transceiver Range	Up to 5km
ENVIRONMENT	
Operating Temperature	0°C - 60°C [32°F - 140°F]
Humidity	95% non-condensing
Range	Governed by visibility – typically 5km
DIMENSIONS	
L x W x H (Control Unit)	120mm x 220mm x 140mm [4.7in x 8.7in x 5.5in]
Weight (Control Unit)	1.6kg [3.5lbs]
L x W x H (Transceiver without Antenna)	100mm x 210mm x 110mm [3.9in x 8.3in x 4.3in]
Weight (Transceiver)	1.5kg [3.3lbs]
L x W x H (Sighting Device)	200mm x 500mm x 400mm [7.9in x 19.7in x 15.7in]
Weight (Sighting Device)	6.4kg [14.1lbs]

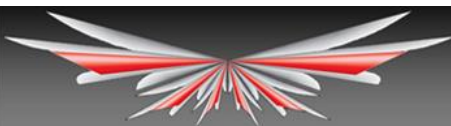
### USED WITH



*Strafe and Gunnery Target Type 590*



*Burst Time Measurement Equipment*



## 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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