

The calibration free Air To Ground (ATG) scoring system is intended to be used at Air To Ground firing ranges for scoring of supersonic projectiles.

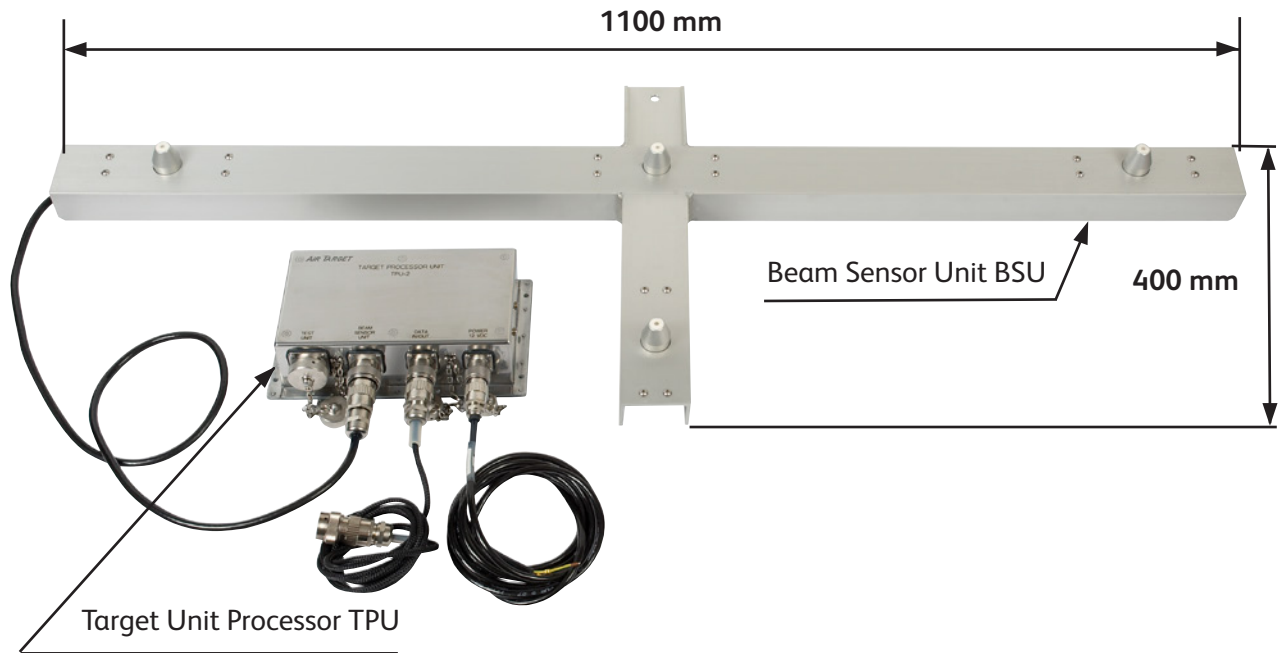
The target area equipment consists of a Target Processor Unit TPU, a Beam Sensor Unit BSU, an antenna and a 12 VDC battery. The target area equipment is placed in front and below the target, and behind a protection wall.

The pressure sensors of the BSU detects the shock wave from a passing supersonic projectile. The scoring data, i.e. hit order and time information from the sensors is transmitted via the radio link in real time to the Control Station Equipment (CSE).

The scoring data is used by the CSE when calculating the scoring result. The scoring result is graphically displayed on the color monitor as x and y coordinates. The salvo center, mean miss distance, and total number of scored rounds are displayed together with the graphic picture. The scoring result can also be displayed in tabular form round by round. A print-out of the scoring result is also possible.

The scoring result is stored in a data base. The Control Station Equipment can as an option receive scoring data from six different targets.

TECHNICAL DATA



SINGLE TARGET AREA EQUIPMENT

GENERAL

Power supply	12 VDC or 230 VAC, Power consumption max. 10 W @ 12V
Operation temperature	-30°C to + 55°C
Storage temperature	-40°C to + 70°C
Total weight (TPU and BSU)	approx. 6.5 kg
Measurement (TPU)	320 x 160 x 100 mm
Measurement (BSU)	length 1100 mm

RADIO DATA LINK

Carrier frequency options	Frequency between 100-900 MHz. Range > 6 km
Radiated power	minimum 0.8 W
Frequency deviation	2.5 kHz ± 0.5 kHz
Modulation	2-level FSK, 4800 baud

TECHNICAL DATA, CONTROL TOWER EQUIPMENT

Marque Scoring Station	see separate data sheet for the Marque Scoring Station
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PERFORMANCE/CHARACTERISTICS

Scoring rate	6000 rounds per minute
Scorable calibers	5.56 mm to 5" +, and missiles
Scoring accuracy	better than ± 0.02 m for rounds passing within a target size of 5 x 5 m
Scoring result presentation	as x and y coordinates. Salvo center, mean miss distance, total number of scored rounds. Customizable targets and sizes.