

AUTOMATIC MARKING SYSTEM



The MS Instruments PLC Automatic Marking System (AMS) or Location of Miss and Hit (LOMAH) System is a Training System which provides instantaneous feedback to the trainee rifle shot or vehicle gunner and their coaches as to the location of their shots with respect to their target. The shots are detected, located and displayed if they pass through the detection area of a sensor at the target and regardless of whether or not they impact with the target. The immediate reporting of the location of the shot allows the firer and the coach to discuss the reason for any error thus enhancing trainee motivation and training standards. The AMS is configured for use on Gallery, Electric Target and Field Firing Ranges.

A typical AMS Configuration

The AMS for a Gallery Range is configured for 12 lanes with up to 4 firing positions at 100, 200, 300 and 400 metres. For each lane there will be a Delta Acoustic Target (DAT) Type 541 which will detect shots over a target area of 2m by 2m or greater and a Firing Point Monitor (FPM) Type 523. The DAT will be connected through permanent cables to a junction box at each firing position. When a FPM is connected to this junction box the firer is able to process display and print the shots at the firing point. The FPMs are connected, through the junction boxes and permanent cables to a Range Processor Type 667 in the Control Room.

The system may also be operated in a completely wireless configuration.

A range of Pop-up targets is available which are connected directly to the Acoustic Target System. The Pop-up targets may be controlled from the Firing Point or the Control Room and may be programmed to raise and lower according to predetermined sequences.

The unit shown has an internal battery and a radio link fitted, however a permanent range installation would use a cable for control and supply of power.

The Automatic Marking System may also be fitted to a moving target.

