OPTICAL TARGET TYPE 570

Resolute Accuracy

This precision electronic target provides developers, manufacturers and testing organisations with an accurate means of checking the performance of weapons and ammunition outdoors by measuring the co-ordinates of shots passing through the target area.

Being an Optical Target, the Type 570 is unaffected by wind and thus gives a high degree of accuracy of half-calibre or better. The instantaneous accuracy of this target makes it greatly desirable for all outdoor firing.

PRECISION ELECTRONIC TARGET

HARDWARE/SOFTWARE

- Graphical representation of target area is displayed instantly.
- Two sets of three optical sensors generate the signals from the shots.
- Rigid metal framework provides mounting platform for arrays and the control unit.
- Permanent records of firing data can be stored on disk or printed for subsequent analysis.
- Wide range of calibres can be detected, with a similarly wide velocity range.
- Operational distances of up to 5km from the Processor are possible using a radio link.
- Optional GPS can be provided as integral part of the system, to give accurate target location and event time (using UTC).

SPECIFICATION

<table>
<thead>
<tr>
<th>MEASUREMENT</th>
<th>ACTIVE TARGET AREA</th>
<th>POSITION ACCURACY</th>
<th>Angular Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Target Area</td>
<td>2.5m x 2.5m for 5mm calibre</td>
<td>5mm for 5mm calibre</td>
<td>0.4° Elevation</td>
</tr>
<tr>
<td>Position Accuracy</td>
<td>4m x 4m for 120mm calibre</td>
<td>10mm for 120mm calibre</td>
<td>1° Azimuth</td>
</tr>
<tr>
<td>Angular Accuracy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Velocity Accuracy</td>
<td></td>
<td></td>
<td>0.2%</td>
</tr>
</tbody>
</table>

PROJECTILES

- Projectile Velocity
  - 50ms$^{-1}$ to 1500ms$^{-1}$ at target
- Projectile Calibre
  - 5mm to 120mm
- Rate of Fire
  - 1000rpm for 50ms$^{-1}$
  - 12000rpm for 1500ms$^{-1}$

POWER/COMMS

- Power: 12V DC

ENVIRONMENT

- Operating Temperature: -10°C - +50°C
- Humidity: The units are fully sealed
- Rain: The system operates in light rain
- Wind: Accuracy is not affected by wind

DIMENSIONS

- L x W x H: 300mm x 600mm x 2300mm
- Weight: 50kg [110.2lbs]

USED WITH

- Meteorological Station Type 574
- Universal Receiver Type 681-700
- Projectile Velocity Measuring System

MS INSTRUMENTS Range Consultancy

- Professional Bespoke Range Designs
- State-of-the-Art Product Rendering
- Only the Latest Standards

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.