

Optical Target Model 482



Applications

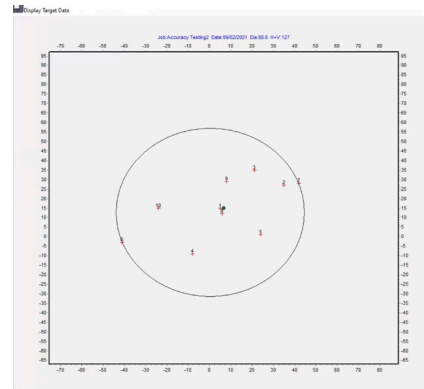
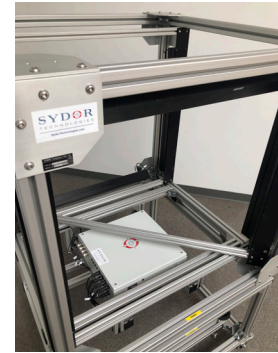
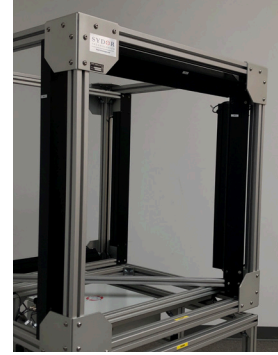
- Precision/accuracy calculations including: Circular Error Probability (CEP), mean radius, covering circle and more.
- Less lethal standards testing
- Subsonic ammunition testing
- Weapon testing
- Law enforcement personnel shooting qualification testing

Features

- Accurate (x,y) shot position detection (5 mm or less) for dispersion measurement as well as velocity measurement
- Includes local processor unit for calculating (x,y) position and velocity
- Interfaces with Sydor IRIS (Integrated Range Instrumentation System) software for data collection, display and reporting purposes
- Can combine with supplemental velocity measurement to calculate Ballistic Coefficients

The Sydor Optical Target Model 482 is designed to replace paper targets and facilitate reporting of shot dispersion by accurately measuring the x,y position of small to medium caliber projectiles which are traveling at speeds ranging from subsonic to supersonic velocities. The target can be manufactured in several sizes ranging from 300 mm square up to 1 m square.

The target sensors include several specially configured Sydor Compact 414 Velocity Screens mounted in an open aluminum framework that must be protected from stray rounds or ricochets. The unit is designed for indoor use which may include installations outdoors that are covered and dry. The power supply included with the unit converts AC power into the 24 VDC required to properly run the velocity screens as well as the Local Processor Unit (LPU). The LPU processes all signals locally to determine the projectile velocity and position (x,y) and communicates these calculations to the Sydor Integrated Range Instrumentation System (IRIS) software for storage, display and statistical processing.



Specifications

| | |
|----------------------------------|---|
| Operational target area | From 300 x 300 mm up to 1 x 1 meter (or larger, depending on configuration) |
| Minimum projectile size detected | 4.5 mm |
| Data output | Velocity and X,Y coordinates of each shot (with Local Processor Unit and IRIS) |
| Accuracy | < 5 mm over the entire area with better performance in the center of the target area. |
| Power | 110/230 VAC, 50/60 Hz |
| Operating Temperature Range | 0 deg C to 40 deg C |
| Humidity | 10 to 90% non-condensing |