SYDOR

TECHNOLOGIES



RATE OF FIRE RECORDER

COMPLEX MEASUREMENTS—CRITICAL RESULTS

FEATURES

- Large detection area
- Minimal maintenance
- Instantaneous display of shots
- Self-testing to ensure reliability

APPLICATIONS

- Detection of Supersonic Projectiles
- Proof & Experimental Applications
- Training & Competition
- Accuracy Testing

ABOUT THE RATE OF FIRE RECORDER

The Rate of fire Recorder is a high performance target that is suitable for proof and experimental applications as well as training and competition. The system operates by detecting the shock wave generated by supersonic projectiles.

This target is an "open" system where nothing is present in the target area. An array of sensors on a small sensor “T” bar, which also houses equipment to compensate for air characteristics is positioned just below the target area and is readily protected against stray shots.

The target has enhanced protection against rain, hail and other dirt or debris, and is IP67 Rated. The height of the target makes protection against stray shots easier.

Self test facilities are incorporated to ensure the highest integrity of operations.

The system is used together with a Sydor Integrated Range Instrumentation System (IRIS) for more extensive instrumentation applications.

Systems such as these are used for shooter training as well asgathering experimental data as per accuracy standards, for example NATO AEP 97 s.18.

PRODUCT SPECIFICATIONS

- Caliber Range: All supersonic; small, medium and some large calibers
- Rate of Fire: 2000 rounds per minute
- Type of Weapon: All with supersonic bullet speed (>450 m/s)
- Accuracy: ± 5 mm over central target area (average), condition dependent
- Display & Data Analysis: Via Sydor IRIS
- Input Voltage: 110/240 VAC, 50-60 Hz for Junction Box, 12 VDC for Target
- Input Power: < 40 VA for Junction Box, < 40 VA for Target
- Operating Temperature: -20 °C to +70 °C
- Storage Temperature: -25 °C to +70 °C
- Relative Humidity: 10 to 95%
- Enclosure Rating: IP 67
- Weight: 13 kg plus Junction Boxes