DATASHEET

GROUND MOUNT 360° TARGET

FEATURES

- **ROTATING TARGET MECHANISM FOR INFANTRY TRAINING**
- **TO TRAIN TARGET DISCRIMINATION & REACTION**
- **DIFFERENT PRESENTATION MODES**
- **CONTACT HIT SENSOR WITH ADJUSTABLE SENSITIVITY**
- **FLOOR OR CEILING MOUNTING OPTION**
- **RUGGED AND WEATHER-RESISTANT DESIGN**
- **TROUBLE-FREE FUNCTIONALITY**
- **SAFE & EASY HANDLING**
- **BUILT-IN TEST CAPABILITY**

Overview

- The TTS Stationary Rotating Target (SRT) is specifically designed for dynamic and scalable training in indoor and outdoor shooting ranges. It turns the target silhouettes independently.

Presentation Modes

- The target holder turns the full range of military infantry target silhouettes.
- The target system provides soldiers and law enforcement with a modular and highly flexible training tool to improve live-fire training skills along with vital friend/foe discrimination techniques.
- The system can be used as a single system or multi target system.
- The following target presentations are possible in the turning mode:
  - Turning the target silhouette to friend side or foe side
  - Turning the target silhouette to neutral side (edge)

Operational Settings

- To operate the target system, it must be connected to an adequate power source and to a range control network.
- A system can either be powered by a power supply utilizing range-supplied power or can also be battery-operated. The system can be controlled by commands from a Range Control System via a hardwired or wireless communication link.

Turning Capacity

- The target system can move target silhouettes with a weight up to 5 kg / 11 lbs (e.g. full and half-sized 2D & 3D Infantry Targets, E-type, hoop style, foam backer, and F-type) in less than 1 second.

Conventional Hit Counting

- The target holder is equipped with a contact hit sensor that counts all mechanical hits on an installed target silhouette by an incoming projectile. The sensor records subsonic and supersonic ballistic strikes of all calibers of live-fire ammunition (pistol, rifle, machine gun) and even training ammunition.
- The sensor includes hit detection sensitivity adjustment. It enables the adjustment of hit sensitivity so that only impacts from a projectile above an established threshold are counted as a hit.
- The sensor supports single shot and burst mode. In the burst mode, a burst of fire is counted as a single hit.

Built-In-Test Status Identification

- The target system provides local Built-In-Test (BIT) status identification, an initial status information and operational feedback to the control system.
- A display at the target system shows maintenance information (e.g. target type & firmware version, BIT status, COM address & COM status, supply voltage, error messages, status of the contact hit sensor, total hit count, target holder position). The display enables the troubleshooting of the system to isolate faults before extended maintenance services must be done.

Target Controller

- The system uses a target controller for the communication with the range control network. The target controller can either be an integrated component of the target mechanism, can be attached to target mechanism as a stand-alone unit or can be mounted in a Data-Power Box near the target mechanism.
- The controller includes a firmware that enables precise configuration of the system. Various settings to modify training scenarios such as presentation time, hits to kill or the hit counting mode can be programmed manually at the system or with the control system.

Long-lasting and robust operational capability

- TTS systems are serving in military and Law Enforcement training and have proven to be dependable and long-lasting tools to train armed forces around the globe.
- The system complies with the requirements of most common public, military, national and international standards.
- All components were selected for their long-life cycles. The design assures outstanding performance and usability. The use of finest materials such as high-grade aluminum and stainless steel ensures long-lasting and robust operational equipment capability.
- All connections and connectors meet high industrial or military specifications and are supplied with protection caps.

Trouble free Functionality

- The system is always easy and safe to operate, maintain, and service. It does not present uncontrolled safety, health, or environmental hazards to operators and maintainers throughout the life cycle of the system.

Rugged and Weather-resistant Design

- The powder-coated, water-proofed and dust-proofed system operates without degradation in performance when operated under difficult environmental conditions such as extreme heat, humidity, high snow and heavy wind load.
- The rugged and weather resistant design enables operation in a temperature range of -25°C/-13°F to +65°C/149°F. Unlimited functionality down to temperatures of -40°C/-40°F can be guaranteed with a cold weather option.

Installation & Mounting Options

- The target system is available in portable and fixed-installed versions.
- Fixed-installed versions can be ground- or ceiling-mounted.

Transport & Storage

- The system can be transported over land, sea and by air without any special protection measures, they must be secured against slipping only.

Maintenance

- The system is mainly maintenance-free. Preventive Maintenance includes inspection and cleaning, overhauling of the system is not necessary.

Additional Equipment

- The target system can be equipped with an Illumination unit to illuminate the target silhouette to support night firing exercises. An optional infrared lighting function can be added to the illumination. A Muzzle Flash Simulator realistically creates visual effects like flashes, e.g. to simulate a firing weapon.
- For precision shooting the system can be equipped with a LOMAH (Location-Of-Miss-And-Hit) system to evaluate the location of hits on a target silhouette and near misses.
- The target system can be equipped with a ballistic shield to protect the device and to avoid ricochets.

Specifications

Configurations	
Installation:	Fixed-installed or portable
Power Supply:	Hardwired or battery-powered
Communication:	Hardwired or radio-controlled
Motor	Direct Drive Electric Motor
Target Presentation	
Modes of Operation:	Turning (Friend/Foe/Neutral)
Turning Time:	< 1 s
Angles of Turning:	0, 90°, 180°, 360°, end positions adjustable
Silhouette Weight:	5 kg (11 lbs)
Hit Counting	
Hit Counter:	Contact Hit Sensor
Hit Frequency:	1200 rounds /min
Supported Firing Modes:	Single & Burst
Power Options	
Power:	Mains Supply or Battery
	(Battery rechargeable with optional solar panel or generator)
Voltage:	110/230 VAC, 12 VDC, others on request
Communication Options	
Hardwired:	DSL, LAN (e.g. Ethernet, Fiber)
Wireless/Radio:	UHF/VHF, WiFi, LTE
Environmental	
Operational Temperature:	-25°C/-13°F to +65°C/149°F
Storage Temperature:	-30°C/-22°F to +72°C/161°F
Enclosure type:	IP 67 (Outdoor/Indoor Rated)
Dimensions	**Mechanism**
Length:	0,6 ft (185 mm)
Width:	0,9 ft (275 mm)
Height:	0,65 ft (200 mm)

Note: Listed values are the standard configuration. Specifications may vary depending on customer's requirements.

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