



## STATIONARY INFANTRY TARGET

### HOSTAGE TARGET SYSTEM

#### FEATURES

- DOUBLE TARGET MECHANISM FOR HOSTAGE TRUE-TO-LIFE SCENARIOS
- ADJUSTABLE TARGET SLIDER TO CHANGE DISTANCE BETWEEN TARGETS
- DIFFERENT TRAINING LEVELS FROM BEGINNER TO PROFESSIONAL
- TWO INDEPENDENT TARGET MECHANISMS
- CONTACT HIT SENSOR WITH ADJUSTABLE SENSITIVITY
- PORTABLE, RADIO-CONTROLLED AND BATTERY-POWERED VERSIONS AVAILABLE
- RUGGED AND WEATHER-RESISTANT DESIGN
- TROUBLE-FREE FUNCTIONALITY
- BUILT-IN TEST CAPABILITY

## OVERVIEW

- Being designed for hostage rescue as well as qualification training the TTS Hostage Target System does not only train a trainee to hit a target, but also trains a shooter's accuracy and teaches him what he is not supposed to shoot.
- The target system consists of a combination of two independent infantry target mechanism that are arranged to simulate true-to-life hostage scenarios.
- The target in the front simulates the hostage while the target in the back represents the hostage-taker.

## PRESENTATION MODES

- The target lifter mechanism which lifts and lowers the hostage taker silhouette is mounted on an automatic horizontal adjustable slider to change the distance to the hostage silhouette
- This core-feature enables the end-user to train his soldiers from a beginner level, which means that both silhouettes are far away from each other to a professional level, where the hostage taker is nearly hidden behind the hostage silhouette.

## 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 be powered by utilizing range-supplied power and/or can be battery-operated. The system can be controlled by commands from a Range Control System via a hardwired or wireless communication link.

## LIFTING CAPACITY

- Without wind, the target system can move military target silhouettes with a weight up to 5 kg / 11 lbs (e.g. full and half-sized 2D & 3D Infantry Targets, E-type, and F-type) in less than 2 second.
- Exposed to 55 km/h wind conditions, a system can lift and lower the above-mentioned silhouettes in less than 2 seconds.

## CONVENTIONAL HIT COUNTING

- Both target holders are 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 either can 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

- 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.
- The system has an on/off switch to prevent the activation of the system or to instantly deactivate the system during operation, to isolate hazardous voltages and to prevent the accidental activation of the target device while maintenance actions are taken.

## 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.
- The portable version of the target system usually is battery-powered and radio-controlled. No site preparation is necessary or required to replace the system provided that the system is protected from direct fire and ricochets. The location can be altered without the need of infrastructure adaptations.

## 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.
- The target system offers easy and safe handling and transportation to service personnel. The complete system can be conveniently carried by two persons and hence repositioned to easily modify training scenarios.

## MAINTENANCE

- The system is mainly maintenance-free. Preventive Maintenance includes inspection and cleaning, overhauling of the system is not necessary.
- To access the internal software for configuration and manual control, the target system has interfaces to connect a notebook or a special handheld controller.

## 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.
- The target system can be equipped with a ballistic shield to protect the device and to avoid ricochets.

## SPECIFICATIONS

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<b>Configurations</b>		
Installation:	Fixed-installed or portable	
Power Supply:	Hardwired or battery-powered	
Communication:	Hardwired or radio-controlled	
<b>Target Presentation</b>		
Modes of Operation:	Popup, Turning, Popup Turning, Shearing, Sliding	
Lifting Time:	< 1 s	
Lowering Time:	< 1 s	
Turning Time:	< 1 s	
Angles of Operation:	0 - 90°, end positions adjustable	
Angle Turning:	0, 90°, 180°	
Lifting Capacity:	5 kg (11 lbs)	
<b>Hit Counting</b>		
Hit Counter:	Contact Hit Sensor	
Hit Frequency:	1200 rounds /min	
Supported Firing Modes:	Single & Burst	
<b>Power Options</b>		
Power:	Mains Supply or Battery (Battery rechargeable with optional solar panel or generator)	
Voltage:	110/230 VAC, 2x12 VDC, others on request	
<b>Communication Options</b>		
Hardwired:	DSL, LAN (e.g. Ethernet, Fiber)	
Wireless/Radio:	UHF/VHF, WiFi, LTE	
<b>Environmental</b>		
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	
<b>Dimensions</b>		
	<b>Base Plate</b>	<b>Mechanism</b>
Length:	1187 mm (46.7 inch)	340 mm (13.4 inch)
Width:	760 mm (39.9 inch)	430 mm (16.9 inch)
Height (up position):	486 mm (19.1 inch)	275 mm (10.8 inch)
Height (down position):	735 mm (28.9 inch)	313 mm (12.3 inch)
Weight (without battery):	72 kg (158.7 lbs)	10 kg (22 lbs)

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

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\*Note: Theissen Training Systems has the policy of continuing development and reserves the right to make design changes and improvements to the products. Specifications and features can change without notice.

