



The test station TST-8 is designed for complete functional testing (telemetry signal, electronics and microphones) of all of Air Target's universal 12-sector Miss Distance Indicators (MDI's).

Basically the same test equipment is used for all Air Target's scoring systems.

The TST-8 is run and controlled from the PC with the TST-8 software installed.

The following operations can be performed with the TST-8:

- Electrical generation of signals and testing of MDI
- Acoustic bang and testing of MDI
- Check battery status of MDI
- Check angle measurement functionality of MDI (if available in the MDI)
- Calibration and reference test of the TST-8 itself
- RF-power indicator
- Uplink control of the MDI
- Test of GPS (if available in the MDI)

### Equipment supplied

A complete test station consists of the following equipment:

- Test station TST-8
- 220VAC to 15VDC Power adaptor with cable
- Bang box BB-2 with mouthpiece MC for AS-131/12U
- RF pick-up antenna with cable
- Whip antenna
- MC-6 reference microphone unit with cable
- MLU, microphone location unit
- Laptop with TOR-TST-8 software and USB cable

## TECHNICAL DATA

### GENERAL

Operating temperature	0 °C to + 50°C
For accurate operation of bang box	23 ± 5 °C
Storage temperature	-40 °C to + 70°C
Humidity	Non Condensing
Uplink capability <ul style="list-style-type: none"> <li>• turn on/off MDI</li> <li>• sensitivity setting</li> <li>• setting of downlink channel</li> <li>• lamp control</li> </ul>	Optional

### COMPUTER

Computer	Laptop
Operation System	Windows 10
Processor	Core i5
Screen	12" with resolution 1600 x 1200 or better
Memory	8 GB RAM / 256 GB SSD

### ELECTRICAL CHARACTERISTICS

Connection to computer	USB
Power supply	90 – 260 VAC or 15 VDC
Power Consumption	45 W
Antenna connector	TNC – type, female
Number of receivers	1
Size	310 x 193 x 351 mm
Weight	4.15 kg (accessories excluded)

### TELEMETRY

Frequency (down-link)	330 - 473 MHz (one channel per target, max. 4)
Frequency (up-link, optional)	330 - 473 MHz (one per system)
Modulation type	4-level FSK
Transmission Power	0.1 W
Channel spacing	12.5 kHz
Baudrate	9600 baud
Sensitivity	-110 dBm
Standards	EN 300 113-2 EN 301 489-1, -5 EN 60950-1 FCC CFR47 PART 90

### SOFTWARE

Presentation of shot and activity data
Selection of test ( Acoustic or Electrical Bang)
Handling of uplink functionality (optional)
Selection of radio channel
Display GPS data (optional)