MD-HAN'i

By Moshon DATA

The first AEB validation tool designed for end-of-line vehicle production facilities

AEB test kit bundle complete with ISO standard foam vehicle target (MD-VT-F)

Simple to use, fast install, easy data capture and reporting

INS gives 2 cm RTK position accuracy

Relative distance / Longitudinal range / lateral deviation

MD-Han'i helping you ensure all global facilities test to the same level

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Technical Specifications

General	
Power Supply	6 hour built in battery with external 110/230 V mains charger
Voltage	Vehicle 12 V power input
SIM card format	Mini-SIM (2FF)
Weight	7 kg
Dimensions	41 x 33 x 17 cm

Inertial measurement system	
Typical Position Accuracy[1] (differential)	2-3 cm
Antenna (differential)	GPS L1/L2 + GLONASS L1/L2, 3.3v, active
Typical Acceleration Accuracy	0.01 m/s^2
Typical Speed Accuracy	0.015 m/s
Distance Accuracy[2] 1σ	3 cm in 40 m
Typical Gyro Accuracy	0.01^o/s
Yaw Accuracy[3] 1σ	0.08^o
Roll / Pitch Accuracy[3] 1σ	0.04^o
Gradient Accuracy[4] 1σ	0.015^o
Heading Accuracy[4] 1σ	0.01^o

1. 50% CEP.
2. Straight-line testing through laser traps, including harsh acceleration and braking.
3. Unfiltered 200Hz output during dynamic manouvering with good GPS lock.
4. Assumes good GPS lock, 20Hz measurements filtered over a 2s window.

MD-VT F ISO Standard Foam Target	
Construction	Foam core with durable PVC cover
LiDAR and Camera	High resolution Digitally printed image with ECE104 standard appliques
Radar	RCS signature tuned to ISO standard.
Conformity	Built to **ISO 19206-1:2018** standard.

Data Logging
All vehicle inertial and sensor data logged at 200 Hz to SD card (Max 32 GB)

Printer Output
Integrated thermal printer ouputs all AEB test results including longitudinal range, relative distance, lateral deviation, time, date plus provision to manually enter test ID