MD-HANi

Moshon DATA

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

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

Simple to use, fast install, data in < 10 mins!

Relative distance / Longitudinal range / lateral deviation

2 cm RTK positioning

www.moshondata.com

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Technical Specifications

General	
Power Supply	6 hour built in battery with external 110/230V mains charger
Voltage	Vehicle 12V power input
Modem (differential 2cm position)	3G, 4G connection or onsite reference station
SIM card format	Mini-SIM (2FF)
Chassis	Based on ScenePro CI 200 TS
Weight	7kg
Dimensions	41cm x 33cm x 17cm

Inertial measurement system	
Typical Position Accuracy[1] (differential)	2-3 cm
Dual Antenna (differential)	GPS L1/L2 + GLONASS L1/L2, 3.3V, active
Typical Acceleration Accuracy	0.01 m/s²
Typical Speed Accuracy	0.015 m/s
Distance Accuracy[2] 1σ	3 cm in 40 m
Typical Gyro Accuracy	0.01°/s
Yaw Accuracy[3] 1σ	0.08°
Roll / Pitch Accuracy[3] 1σ	0.04°
Gradient Accuracy[4] 1σ	0.015°
Heading Accuracy[4] 1σ	0.1°

1. 50% CEP
2. Straight-line testing through laser traps, including harsh acceleration and braking
3. Unfiltered 200Hz output during dynamic manoeuvring 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 outputs all AEB test results including longitudinal range, relative distance, lateral deviation, time, date plus provision to manually enter test ID

For more information
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