

OUR COMMITMENT IS TO PROTECT LIVES



Detector Training System

- ✓ Instant Detection of User-Level Errors
- ✓ Objective and Quantitative Training Results
- ✓ Audial & Visual LED Alert
- ✓ Compatible with All Detectors
- ✓ Instant Monitoring by Trainer
- ✓ After-Action-Evaluation Training Report



Sweeping Height Alert



Sweeping Speed Alert



Sweeping Angle (Wrist) Alert



Sweeping Arc Alert

Collective Detector Training System MERGEN-TIM is a detector training system which is completely designed, developed and manufactured aiming to reduce user faults by allowing the operator to learn right detector sweeping movements and make them as reflex movements.



Mergen Tim allows 5 detector operators to be trained at the same time in any kind of field. Each operator attaches the Mergen Tim sensor to his detector and utilise easily. With any sweeping error detected, an audial and visual alert is created by the system. The trainer can monitor all the detector operators movements at the same time remotely from his tablet via the software of system called KUTAD.

Mergen Tim detects the following movements errors during the detector usage automatically:

Sweeping Height

It is the height of the search head from the ground. The device will give both audio and LED alerts in case of exceeding the height limit.

Sweeping Speed

It is the sweeping speed of the detector. The sensor will give both audio and LED alerts in case of exceeding the upper and lower adjusted speed limit.

Sweeping Angle (Wrist)

It is the angle that defines the parallel position of the search head to the ground during sweeping. The device will give both audio and LED alerts in case of exceeding the adjusted angle limit.

Sweeping Arc

This is the sweeping arc during the operation. The sensor will give both audio and LED alerts in case of exceeding the adjusted arc limit.



The trainer can adjust the limit of those movement parameters via KUTAD software which automatically sent to MERGEN TIM sensors.

At the end of the training, the training result report can be generated by KUTAD software automatically with all details.

MERGEN TIM®

Technical Specification

Detection Parameters: Height, Speed, Arc, Angle (wrist)

Height Detection Accuracy: ± 1 cm

Arc Detection Accuracy: $\pm 2^\circ$

Angle (wrist) Detection Accuracy: $\pm 5^\circ$

Speed Detection Accuracy: ± 0.2 m/s

Alert Types: Audio and LED

Sensor Battery Type: 3,7 V 3.400 mA
Rechargeable Li-ion

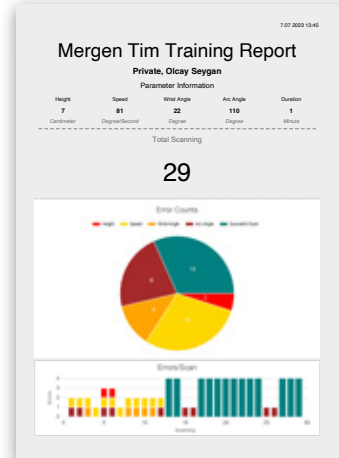
Sensor Operation Time: 15 hours

Sensor Charging Time: 6 hours

Data Transmission: Wireless

Sensor Sizes: 6,6cm x 10cm x 14cm

Sensor Weight: < 400gr



MERGEN-TIM system consists of 5 ea. MERGEN TIM sensor units, 1 ea. trainer tablet with KUTAD (Trainee Tracking and Evaluation) software, charging adapter kit for sensors, USB wireless transfer unit and operational manual in a hard carrying case.

All the technical data are subject to change by $\pm 5\%$ without prior notice. Issued Date: 04/2023
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