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|  | 932 |  |
| | TARGET SIMULATION | |
| | Vehicle Radar Traffic Simulator | |



This product is a compact purpose designed portable radar target simulator that can be used to test radars on site for correct operation and speed reporting.

- Verification of correct radar operation
- Speed reporting
- Technically advanced radar platform
- User adjustable parameters

OPTIONAL FIELD TEST TARGET SIMULATOR

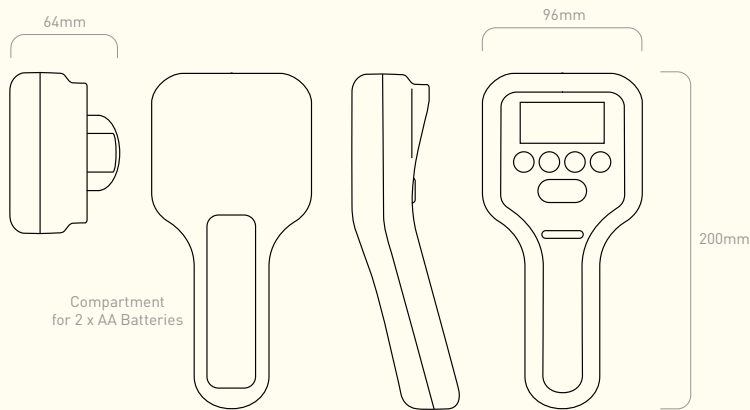


FEATURES

- Lightweight ergonomic profile
- Ease of set up in road side environment
- Intuitive user Interface
- User selectable pre-set speed values
- User definable specific speed values

DIMENSIONS:

Weight: 800g



SPECIFICATIONS

| | |
|---------------------------|--------------------------------|
| Frequency | K-Band 24GHz |
| Simulation Range | 20-320 Km/hr |
| Operating Time | 10 hours continuous use |
| Operating Distance | Min 1m - Max 2m |
| Mounting | Flange fixings or tripod mount |
| Mounting Height | 1 - 3.5m nominal |
| Housing Material | Polycarbonate |
| Sealing | IP52 |
| Operating Temp | -20° C to +50° C |
| Power | 40mA (120mA Transmit) |
| Power Supply | 2.2V - 3.6V (2 x AA Batteries) |
| Approved to: | BS EN 50293 |

342 TESTING PROCESS

| | | | |
|--|-----------------|---|--|
| | TEST EQUIPMENT: | HYPERION™ | |
| | PRODUCT TEST: | 315 316 317 318 331 335 336 342 | |
| | TEST FUNCTION: | <ul style="list-style-type: none"> • True range simulation of target • Radar target processing optimisation • Test cycle time 9 minutes • Verification of communication protocols | |

Hyperion™ is a bespoke set of test equipment designed and developed by AGD Systems. It is dedicated to the testing of the AGD portfolio of 'ranging' FMCW vehicle radars. 100% of the 342 units manufactured at AGD are Certified by Hyperion.



FULL RANGE

HYPERION is dedicated to the testing of the AGD portfolio of 'ranging' FMCW vehicle radars. It provides true range simulation and both target speed and direction simulation at a given range

The key test functions performed by Hyperion to Certify the premium performance of your Intelligent Detection System are:

- True range simulation of target
- Target speed and direction simulation at a given range
- Radar target processing optimisation
- Transmitted radar frequency modulation measurement
- Verification of interface and communication protocols
- Test cycle time of 9 minutes

The radar test sequences performed by Hyperion on the radar under test provides a thorough examination of the performance of the 342 radar and specifically the ranging measurement capability provided by the FMCW technology deployed. This gives full control of simulated targets' signal size, speed, direction and range.

Optimisation of frequency signals on Hyperion ensures full compatibility with country requirements within the 24GHz radar operating band.

LIFETIME PRODUCT TRACEABILITY

There are clearly defined pass and fail criteria at all stages within the Hyperion test process. The test results in association with the product build revision are recorded on a product serial number basis. The full suite of test measurements is instantly sent to the dedicated product database within the AGD secure server facility, providing full traceability during the product lifetime.

The AGD Certified symbol is your mark of assured performance.

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