

# Product Description:

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## HUD101 TE – HUD101 Test Station

### Description:

The HUD101 Test Station is a laboratory test system for Head Up Display-101 an electro-optical device that projects attack, navigation and landing information through dedicated symbology, into the pilot's forward field of view.

Equipped by an arbitrary waveform generator (AWG) for the generation of stimuli, it is able to automatically test two HUD101 devices at a time, verifying their functionality and displaying the status of the signals during the test.

The software interface is structured in three sections: Self-Test, to verify the Test Station before testing the apparatus; Laboratory Acceptance Test and Environment Stress Screening Test (Thermal and Vibration); database of reports allows the management of the activity history for each test executed.

As the ESS Test can take a long time, it may take a few days, the test station is equipped with a UPS to compensate for any power interruption.

The test station is mounted in a standard 19" rack equipped with wheels and a special drawer for storage the cables used for connection during several type of tests and is certified with CE marking.



### Key Specifications:

- Standard 19" rack unit
- 230Vac 50Hz input voltage
- TTI (TGA12104) arbitrary waveform generator
- Keysight (N6701A) power supply
- APC Smart UOS SC450 uninterruptable power supply
- Parallel test of two HUD101 units at same time
- Self test function to verify the functionality of station
- Acceptance test and Environment Stress Screening test management
- Report data-base for activity history
- CE marking compliance
- Dimensions (h x l x d) 2068 x 574 x 828 (mm)
- Weight 140Kg