

AGL-5 Airfield Ground Lighting Tester

Operating Instructions



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Limited Warranty & Limitation of Liability

SEAWARD Electronic Limited guarantees this product to be free from defects in material and workmanship under normal use and service for a period of 1 year. The period of warranty will be effective at the day of delivery.

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Due to a policy of continuous development SEAWARD Electronic Limited reserves the right to alter the equipment specification and description outlined in this publication without prior notice and no part of this publication shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract.

DECLARATION OF CONFORMITY

As the manufacturer of the apparatus listed, declare under our sole responsibility that the product:

AGL-5 Airfield Ground Lighting Tester

To which this declaration relates are in conformity with the relevant clauses of the following standard:

BS EN 61243-2:1998
BS EN 61243-3:1999

BS EN 61326:1998
Electrical equipment for measurement, control and laboratory user-EMC Requirements

Performance: The instrument operates within specification when used under the conditions in the above standards EMC and Safety Standards.

The product identified above conforms to the requirements of Council Directive 89/336/EEC and 73/23 EEC.

Seaward Electronic Ltd is registered under BS EN ISO9001:2000 Certificate No: Q05356.

1 Important Information

These operating instructions are intended for the use of adequately trained personnel.

Before use, ensure that the AGL-5 tester is clean and dry; visually inspect all parts. Any damage must be rectified prior to use.

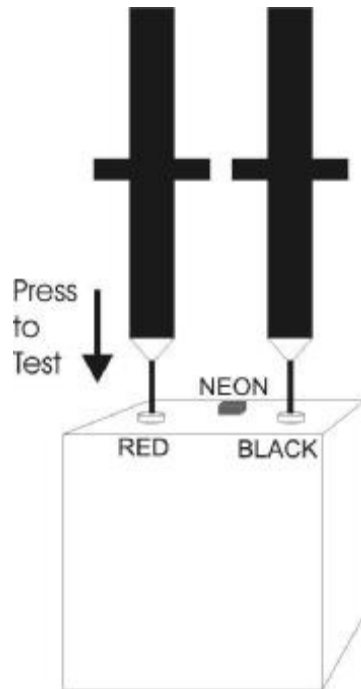
Never hold an AGL-5 Tester between the hand-guard and the contact electrode.

Always prove the AGL-5 Tester before AND after use.

- 1. Holding the AGL-5 tester by the handles, behind the handguards, connect the instrument to a Seaward PH3-LLT proving unit and verify that the LED indicators are illuminated.**
- 2. Holding the AGL-5 tester by the handles, behind the handguards, place the contact electrodes in contact with the circuit under test.**
- 3. If the LED indicators are illuminated there is a voltage greater than the threshold voltage present at the probe tips.**
- 4. If the LED indicators do not illuminate any voltage present at the probe tips is less than the threshold voltage.**
- 5. Repeat step 1 above to verify that the instrument is still operational.**

2 Proving

- Connect the one probe to the BLACK terminal.
- Connect the other probe to the RED terminal.
- Press the probe down onto the RED terminal as shown below to operate the internal micro-switch.
- Confirm that the neon illuminates indicating the test voltage is active.
- Confirm that the LED indicators in the AGL-5 illuminate.
- Disconnect both probes from the proving unit.



3 Specifications

| | |
|---|---|
| Maximum Working Voltage | 5000V AC/DC |
| Threshold voltage | 50V AC / 70V DC |
| Operating Current | <3.5mA AC/DC at max working voltage |
| Indicator | High intensity LED with polarizing filter |
| Handle length | 160mm |
| Overall Length | 530mm |
| | |
| Probe tip length | 38mm |
| Hand guard height | >10mm over 70% circumference |
| Length of insulation between contact electrode and hand-guard | 574mm |
| Un-insulated contact electrode length | 5mm |
| Contact Electrode diameter | 3mm |
| Lead length between probes | 0.8m triple insulated cable |
| Construction | High Impact, total encapsulation |
| Compliance | BS EN 61243-2:1998 |

4 Maintenance

Clean only with a dry cloth; do not use solvents. Before use, ensure unit is clean and dry; visually inspect test terminals and case. Any damage must be rectified to preserve user safety.

5 Service and Calibration

To maintain the specified performance, the instrument must be verified at regular intervals by either the manufacturer or an **authorised Seaward Service Agent**. We recommend a calibration period of one year.

For help or advice on Service and Calibration contact:



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