



ST1525-HF SPARK TESTER

The new ST1525-HF is a compact all-in-one spark tester. All control and interface circuitry is integrated within a single unit together with the high voltage generator and electrode. A number of industry standard communications interfaces and protocols are either fitted as standard or can be supplied as an option. A unique feature of this spark tester is that it distinguishes between pinhole and bare patch faults. For manually operated production lines, the ST1525-HF can be supplied with a compact, directly-mounted AiG2 interface display unit for simple operator controls and display of instrument status, test voltage, pinhole count and bare patch count. The AiG2 may also be used in PLC controlled production lines to provide local operator controls and display of status and measurements.



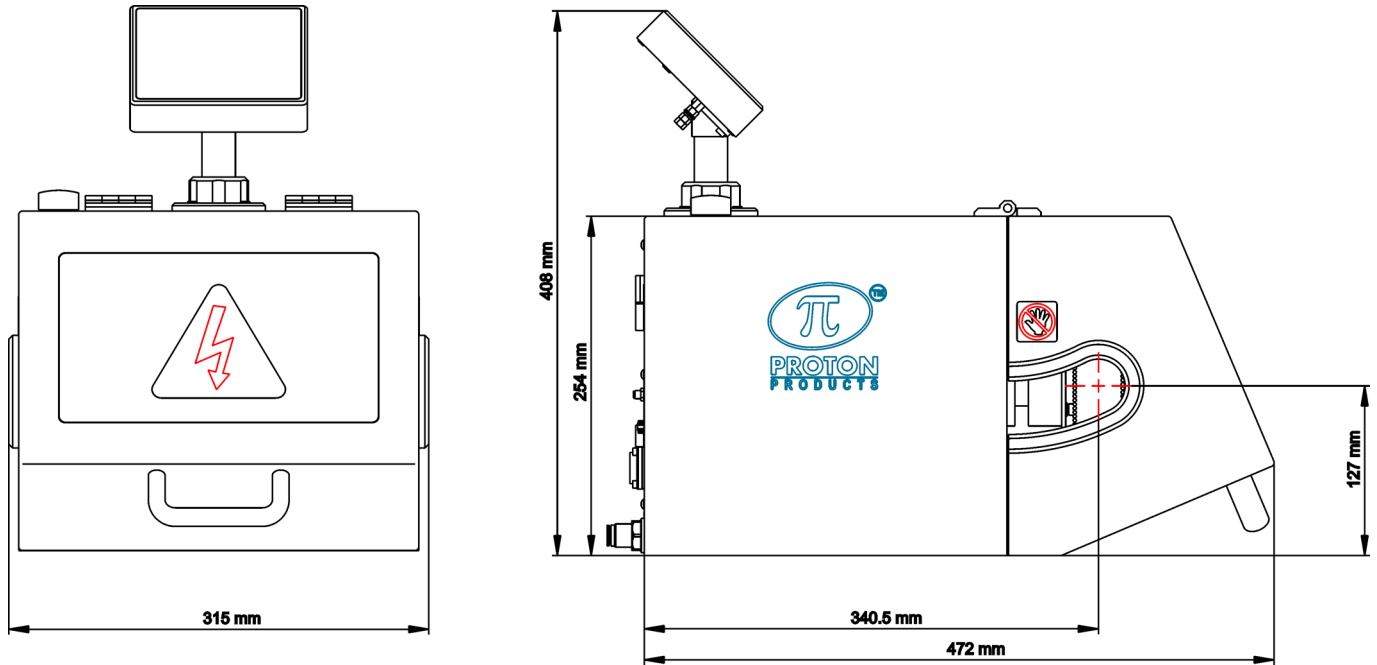
FEATURES

- Distinguishes between pinhole and bare patches faults (a bare patch or missing insulation fault is not counted as multiple pinhole faults); has separate pinhole and bare patch fault counters
- Complies with UL, BS, VDE, CENELEC, AS and CS
- Complies with the IEC 479-1 Safety standard
- Large choice of standard and optional communications interfaces and protocols
- Ozone gas extraction port (required to comply with safety regulations in certain countries)
- Unique all-in-one design with optional plug in AiG2 interface display unit for local or remote (up to 50m) control

SPECIFICATIONS

Dimensions	H = 254mm x W = 315mm x D = 472mm
Weight	25 Kg
Test Voltage	0.5 - 15kV (fully adjustable in steps of 0.1kV)
Product Diameter	0.4 - 25mm
Test Frequency	2.1 - 4.5 KHz, sine wave (frequency is load dependent)
Electrode Length	100mm (bead chain electrode)
Maximum line speed	3000 m/min (test frequency dependent)
Power Supply	85 - 264 VAC, 47 - 65 Hz
Maximum resistive current	5 mA
Maximum capacitive current	24 mA
Temperature Range	0 - 45°C





STANDARD AND OPTIONAL INTERFACING

- Remote HV enable input for connecting to an external safety interlock switch
- 3x relay contacts for configurable functions: high voltage indication, pinhole fault, bare patch fault, pinhole or bare patch fault, maximum fault count reached
- Standard serial communications interfaces: RS232 and RS422/485
- Other standard communications interfaces: CAN-bus and Ethernet TCP or UDP
- Analogue input (0 – 10V) to set the test voltage
- Analogue output (0 – 10V) representing the measured test voltage
- Optional: HST1 adjustable height stand (positions the electrode cavity between a height of 732 – 1170 mm)
- Optional: Plug-in AiG2 interface display unit for mounting direct on the unit or remotely up to 50m away
- Optional Protocols : PROFIBUS, DeviceNet, EtherNet/IP



CONTACT

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