

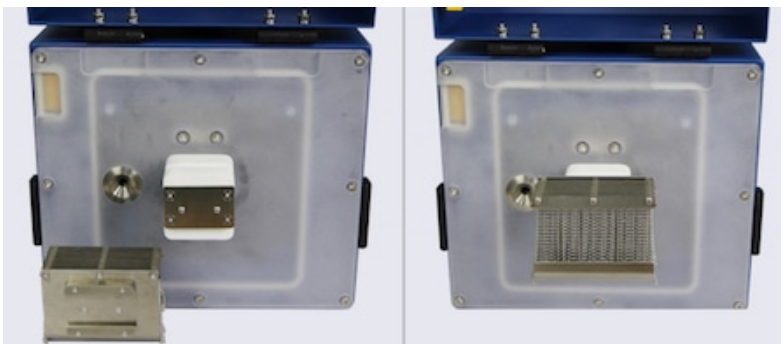


SPARK TESTER

InteliSENS® Spark Testers are designed to meet International Standards for wire insulation testing. UL1581, EN50356, IEC62230 for HF Series High Frequency. UL1581, UL2556 and IEC62230 for DC sspark tester.

High Frequency Spark testers enable greatly increased production line speeds compared with mains frequency testing, especially in the case of UL1581, where the 9-cycle requirement makes the electrode length required for mains frequency testing impractical. Compared with mains frequency testing, High Frequency testing generates an ionization cloud at a relatively low voltage, this ensures complete coverage of the wire surface.

Fabricated from Stainless Steel the HF/DC Series of Spark Testers are designed to perform in harsh environments where cooling water is often evident.



FEATURES

- Quick Change Electrode
- Bead Chain or Brush Electrode
- Stainless Steel Body
- Identify Pin Holes and Bare Patches
- Ozone Extraction Point
- EN50356 / IEC62230 / UL1581/ UL2556 Compliant

SPECIFICATIONS

Model	ST1525-HF	ST1550-HF	ST1525-HFMW	ST1025-DC	ST1025-DCMW
Minimum Diameter	0.4mm (0.016")	0.4mm (0.016")	0.4mm (0.016")	0.4mm (0.016")	0.4mm (0.016")
Maximum Diameter	25mm (1")	50mm (2")	25mm (1")	25mm (1")	25mm (1")
Minimum Test Voltage	1KV(rms)	1KV(rms)	1KV(rms)	1KV(rms)	1KV(rms)
Maximum Test Voltage	15KV(rms)	15KV(rms)	15KV(rms)	10KV(rms)	10KV(rms)
Line Speed	UL 1581 Compliant 3000 m/min			EN62230 Compliant 6000 m/min	
Test Freuency	2.1 kHz to 4.5kHz				DC
Accuracy	Factory Calibrated within 2% kV(rms) Resolution 0.1kV(rms)				
Electrode	Quick Change Bead Chain and Brush Type Electrodes				
Mode	Pin Hole and Bare Patch Detection and Identification				
Standard Interfaces					
Enable Input	Safety interlock input to enable the EHT test output voltage				
Logic Input	2 input: Reset current lenght and all counts and positions (Fixed 1 input)				
Relay output	4 output : High Voltage indication, Pin hole detected, Bare-Patch detected (Configurable)				
Analogue input	0 - 10 V dc; controls the EHT test output voltage, user scalable				
Analogue output	0 - 10 V dc; proportional to the measured EHT test output voltage, user scalable				
Line Speed input	50 V maximum pulses, 250 kHz maximum frequency, user scalable				

Standard communication interfaces

CAN-bus Ethernet RS-232 RS-422 RS-485	CANBUS RS232	RS422 RS485	 ETHERNET	 OPC UA	 Modbus
Model	ST1525-HF	ST1550-HF	ST1525-HFMW	ST1025-DC	ST1025-DCMW
Height	270mm (10.6")		270mm (10.6")	270mm (10.6")	270mm (10.6")
Width	315mm (12.4")		315mm (12.4")	315mm (12.4")	315mm (12.4")
Thickness	472mm (18.6")		623mm 4W(24.5"), 724mm 6W(28.5")	472mm (18.6")	724mm (28.5")
Weight	25Kg (55lbs)		TBA	25Kg (55lbs)	TBA
Option					
Communication Interfaces					
Profibus Profinet Ethernet IP DeviceNet WiFi					 WiFi

ST1525-HFMW



ACCESSORIES

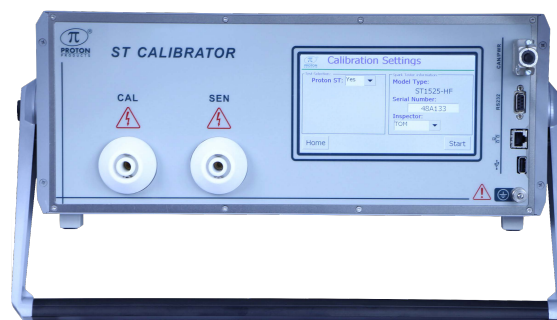
HST 3



Alarm Unit



ST Calibrator



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