

Fault Detection Systems

Spark Testers from Beta LaserMike provide on-line detection of faults in cable insulation such as voids and pin holes. All Spark Testers are height-adjustable and floor mounted for easy placement in line. Standard models are available for a variety of applications, including high-frequency models for higher line speeds. Spark Testers can be controlled via the SI900 spark tester indicator with standard RS-232 communication and built-in I/O, or via a Profibus interface module.

- Meets virtually every international spark testing standard
- Multiple safety features include EHT warning lamps, interlock safety switches, ozone extraction ports, and current limiting circuits
- Grounding chains on the input and output remove any excess charge on the cable
- Easy threading at startup with a lid design that lifts bead chain electrodes away from cable
- Unique bead chain design lets you replace individual strands instead of entire assembly



Standard Models

Model	OD range	Test voltage	Electrode length	Max line speed	Max electrode current*
S1525	1 – 25 mm (0.04 – 1.0 in.)	1 – 15 kV	330 mm (13 in.)	400 m/min. (1300 ft/min.)	10/4.5 mA
S2550	1 – 50 mm (0.04 – 2.0 in.)	1 – 25 kV	330 mm (13 in.)	400 m/min. (1300 ft/min.)	10/4.5 mA
S25100	1 – 100 mm (0.04 – 4.0 in.)	1 – 25 kV	200 mm (7.87 in.)	240 m/min. (790 ft/min.)	10/4.5 mA
S25150	1 – 150 mm (0.04 – 6.0 in.)	1 – 25 kV	200 mm (7.87 in.)	240 m/min. (790 ft/min.)	10/4.5 mA

High Frequency Models

Model	OD range	Test voltage	Electrode length	Max line speed	Max electrode current*
HFS0610	0.1 – 10 mm (0.004 – 0.4 in.)	1 – 6 kV	180 mm (7.1 in.)	3000 m/min. (9840 ft/min.)	6/25 mA
HFS0915	0.1 – 15 mm (0.004 – 0.6 in.)	1 – 9 kV	135 mm (5.3 in.)	2250 m/min. (7380 ft/min.)	6/25 mA
HFS1220	0.1 – 20 mm (0.004 – 0.8 in.)	1 – 12 kV	90 mm (3.5 in.)	1000 m/min. (3300 ft/min.)	6/25 mA

*Resistive/Capacitive

Options

- SI900 or SI900-RC spark tester indicator module
- PIB1000 Profibus interface module