

Clinton

INSTRUMENT COMPANY

2016 Product Catalog

Clinton Instrument Company

295 East Main Street

Clinton, CT 06413

Tel: 860-669-7548

Fax: 860-669-3825

Email: support@clintoninstrument.com

www.clintoninstrument.com

3KHz High Frequency System

HF-15B/BD-12S with RC Control



HF-15B - The newest of the Clinton Instrument Company products combines the latest in technology and innovative features for 3kHz spark testing of wire and cable.

Some of the newest features include:

- ▶ Split electrode design for easy string-up **
- ▶ DSP based voltage regulation and differentiation of four fault-types **
- ▶ LED Display can be up to 200 feet away
- ▶ Customizable front panel password security
- ▶ Voltage Watchdog
- ▶ Percent load meter
- ▶ Automatic calibration with Clinton STCAL System
- ▶ Communications: Modbus RTU via RS-485
Optional: Analog, EtherNet/IP, Modbus TCP, Profibus, PROFINET, DeviceNET

BD-12S

Bead Chain Assembly



Also featuring our revolutionary new split electrode design**

Fault Location Systems



The FL-20A Cable Fault Location System will quickly locate opens, direct shorts, and high voltage shorts in cable lengths. The fully automated testing is very simple to operate through a color touch screen.



The FL-8A Portable Cable Fault Location System functions almost identically to the FL-20A System with a durable color touch screen and fully automated testing. The robust design of the FL-8A system is designed for use in harsh environments such as for ROV applications.

AC-30A and AC-30AS 30kV Systems



Models AC-30A and AC-30AS offer a rugged new split electrode design allowing easy string up and center line placement. Separate components offer versatile installation with an ARC control that can be placed up to 200' from the spark tester.

The new AC-30AS self tuning transformer safely maximizes voltage on high capacitive load cables and applications.

STCAL Calibration System



STCAL Calibration System
with HF-15B Spark Tester

The STCAL Spark Tester Calibration System offers users a new and simple way to accurately calibrate any AC, DC, or High Frequency spark testers. The lightweight modular components make it easy to perform calibrations virtually anywhere. Built in spark tester profiles provide a step by step calibration procedure using a touch screen menu. Upon completion a calibration certificate is generated and can be exported to a network printer or USB stick to keep for your records.



Optional STCAL-SM Sensitivity Module

The optional STCAL-SM Sensitivity Module checks fault detection sensitivity to EN50356, IEC/CEI 62260 and NEMA specifications to ensure a reliable and compliant test.

AC, DC, and HF Sensitivity Probes



Models AC-SP, DC-SP, and HF-SP can be used to perform a quick go/no go test that confirms that a spark tester will detect insulation faults properly.

DC Systems and Applications

The DC-A Series provides reliable spark testing for applications where custom-made fault sensors are required. The DC-A is available in 1, kV, 10kV, and 20kV Models.



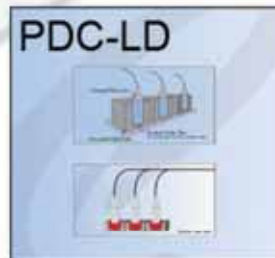
The STM-GF is offered for testing multiple conductors at one time. Up to seven test modules may be used per control unit.

DC-AC and AR Systems are available in 1kV, 10kV and 20kV Models and can be used for almost anywhere on the wireline. The optional BRC Smart Controller can identify lengths of bare wire 1/2" or longer, if that is a main concern.



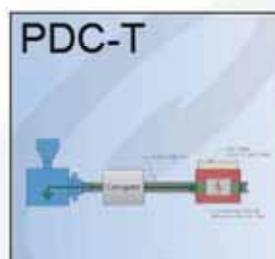
The PDC-F System offers 100% inspection for continuous sheet and film applications. Non-contact, brush, and bead chain electrodes are available for versatile testing on any application.

The TST-10W System offers wireless spark testing during the twinning process. No control loop slip rings are required, only 24 volts from inside the twinner.



The PDC-LD System is for use with custom-made individual or group fault sensors. Reliable pinhole detection is now possible for speed over 200 part per minute.

The DC-1A or DC-5A may be used with an aqualytic electrode when users have a need for a gentle but reliable test on very fine wire or fragile products.



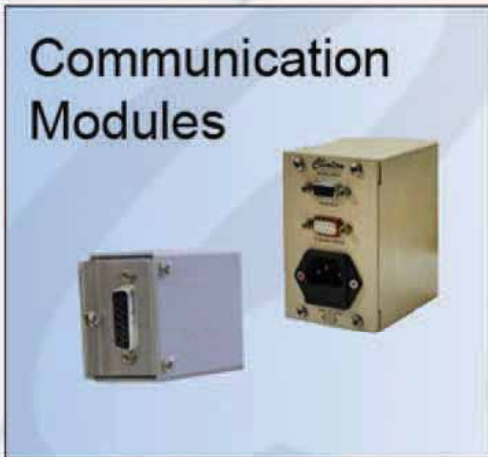
The PDC-T Series offers a more reliable way to detect pinholes in corrugated tubing on the production line. High voltage will discharge to a grounded mandrel through a pinhole at virtually any speed.

HV-35



Model HV-35 is a lightweight, hand-held, versatile probe used to detect pinholes and defects in a wide range of different product types. The HV-35 can pinpoint insulation flaws in wire and cable, plastic coatings, tank linings, and dielectric coatings on metal pipes or sheets. A variety of probe tips are available for a wide range of applications.

Communication Modules



Clinton's communication modules are inexpensive plug-in accessories that permit computers and PLCs to control and monitor the test voltage, fault count and process control output of Clinton A-series digital spark testers. Available communication protocols include Ethernet, Profibus, and Analog signals. Each Communication Module can be connected to the spark tester's standard RS-485 port or mounted remotely on a DIN-rail

IT-25B



The IT-25B Impulse Spark Tester is designed to comply with the rigorous test requirements of Military Specifications MIL-C-13777E, MIL-W-16878 and NEMA Standards for hook-up wire used in high temperature wire applications.

This method is favored as an alternative to wet dielectric tests. In most cases, High Frequency Spark Testers are now allowed in place of Impulse Testers. Contact factory for details.