

Clinton

INSTRUMENT COMPANY

2025 Product Catalog

Clinton Instrument Company

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3KHz High Frequency System

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



HF-15B - Clintons high frequency spark tester 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**

**** Patents Pending**

AC-30B and AC-30BH 30kV Systems



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

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 viewable up to 200 feet away
- Customizable front panel password security
- Voltage Watchdog
- Communications: Analog, Modbus RTU via RS-485

Optional: Ethernet/IP, Modbus TCP, Profibus, PROFINET, DeviceNET



The AC-30BH offers a self tuning transformer to safely maximizes voltage on high capacitive load cables and applications.

This allows the unit to reach a higher test voltage without increasing the supply current to dangerous levels.

IT-30B 30kV Impulse Spark Tester



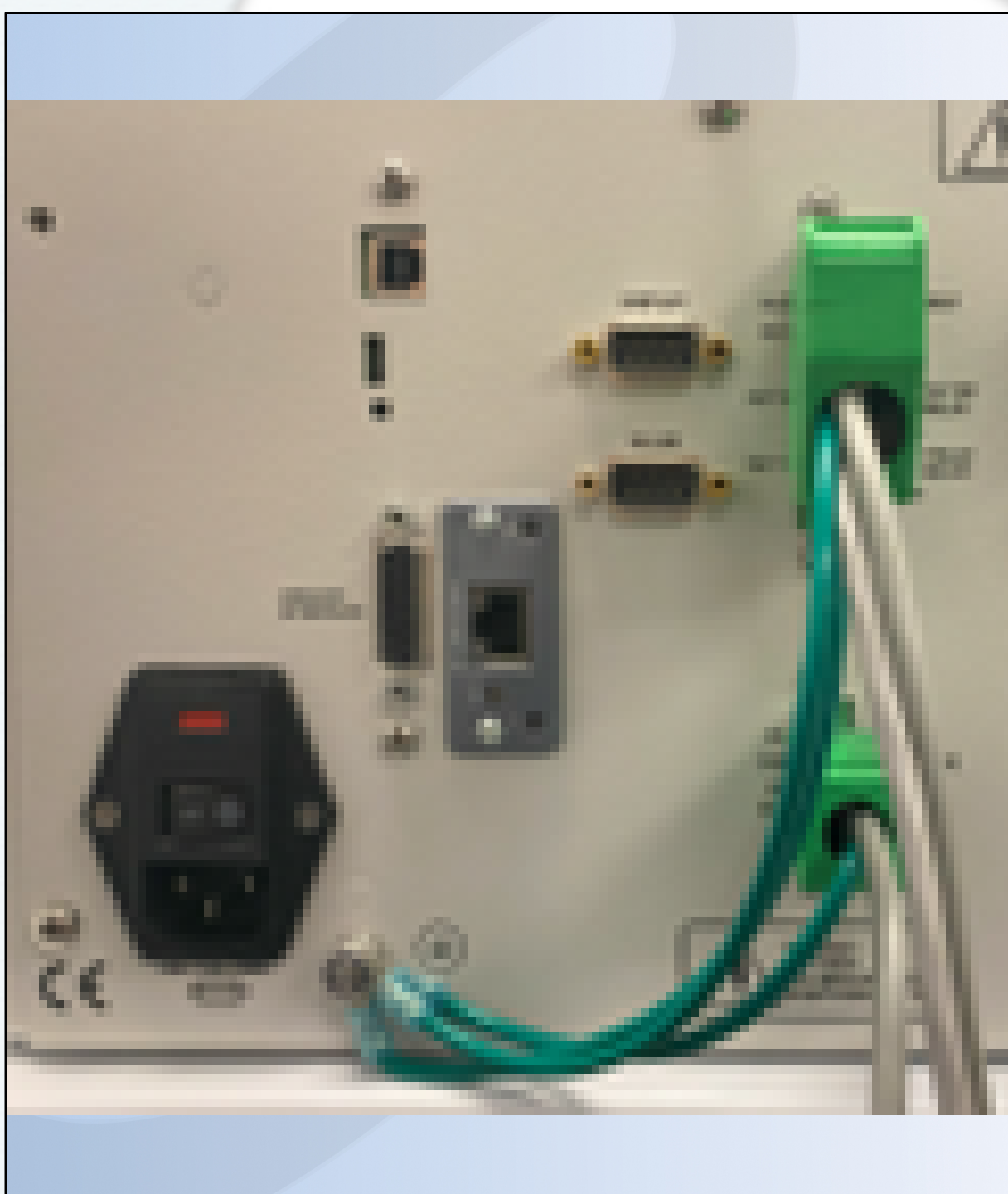
The IT-30B Impulse Spark Tester combines the latest in technology and innovative features for Impulse spark testing. Its standard design electrodes are compliant with MIL-C-13777E, MIL-W-16878, NEMA, and all known international standards for Impulse Spark Testing.

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 viewable up to 200 feet away
- Customizable front panel password security
- Voltage Watchdog
- Communications: Analog, Modbus RTU via RS-485

Optional: Ethernet/IP, Modbus TCP, Profibus, PROFINET, DeviceNET

The IT-30B uses the modern communication interface common to all Clinton B Series Spark Testers. Multiple outputs are available for standalone use or integration with a PLC over a variety of protocols.



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.

DC-B DC Systems



DC-B Systems are available in 1kV, 10kV and 20kV models and can be used almost any where on the wireline. Like the HF-15B and AC-30B they offer a split electrode design, DSP based voltage regulation and differentiation of four fault types including Bare Wire, front panel password security, Voltage Watchdog, automatic calibration with the Clinton STCAL, and a variety of communication options including Modbus RTU via RS-485 (comes standard), Analog, Ethernet IP, Modbus TCB, Profibus, Profinet, and DeviceNET.

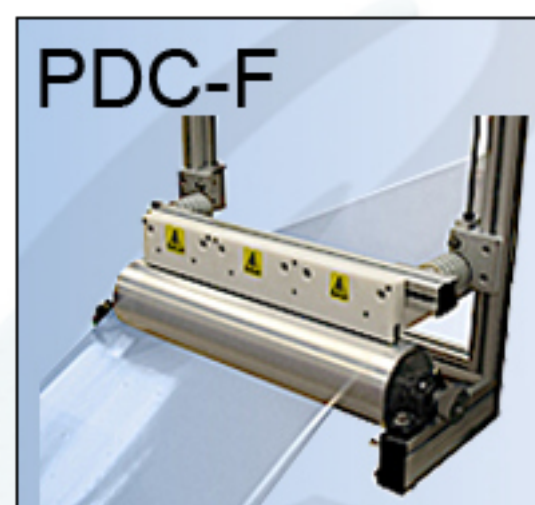
Other DC Systems and Applications

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.



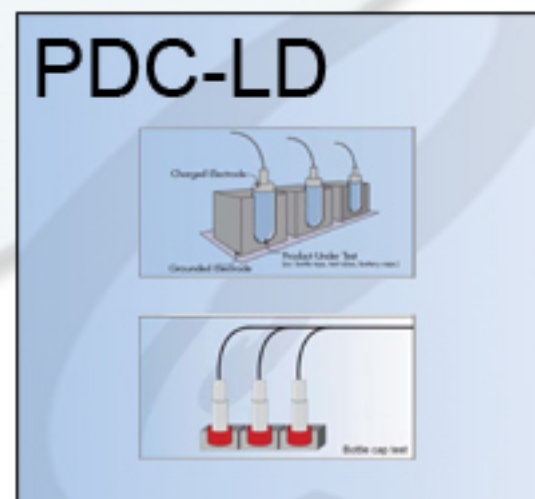
The STM-GF is offered for testing multiple conductors at one time. Up to seven test modules may be used per control unit.

The 50kV DC-50B uses very high voltages to test the largest products and heaviest loads at higher line speeds than are possible with a mains frequency spark tester.



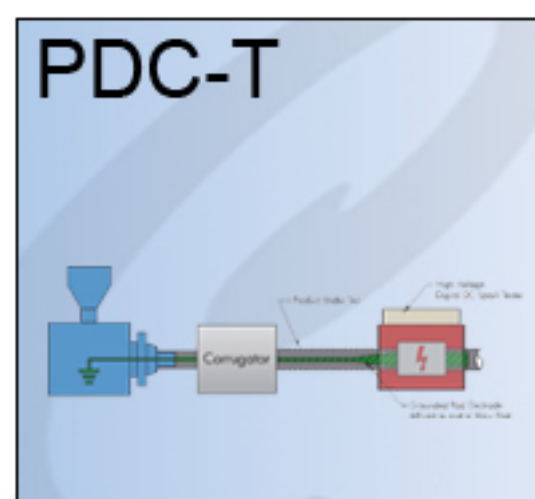
The PDC-F System offers 100% inspection for continuous sheet and film applications. Non-contact, brush, and bead chain electrodes are available for versatile testing on any application.

The TST B 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.

STCAL Calibration System



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 records.



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.

Additional Products

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.



Clinton's new IB-A communication accessory brings modern communication ability to our older A Series Spark Testers. With the IB-A, A Series equipment can make use of the same Compact Comm modules used in our current generation B Series equipment. This allows older equipment to communicate via Ethernet IP, Profibus, Profinet, Modbus TCB, Modbus RTU, and DeviceNET.