

MODEL HF-CAL

High Frequency Spark Test Calibrator

- >> Calibrates Clinton High Frequency Spark Testers
- >> Reduces time and cost spent on calibration
- >> Lightweight, portable and easy to use
- >> Checks fault detection sensitivity
- >> CE Approved

Clinton Instrument Company introduces a portable, easy-to-use calibration system for all of your Clinton High Frequency Spark Testers. This simple “calibrator in a case” system checks the output voltage of a Clinton 3kHz Spark Tester and confirms that its fault detection circuitry is operational.

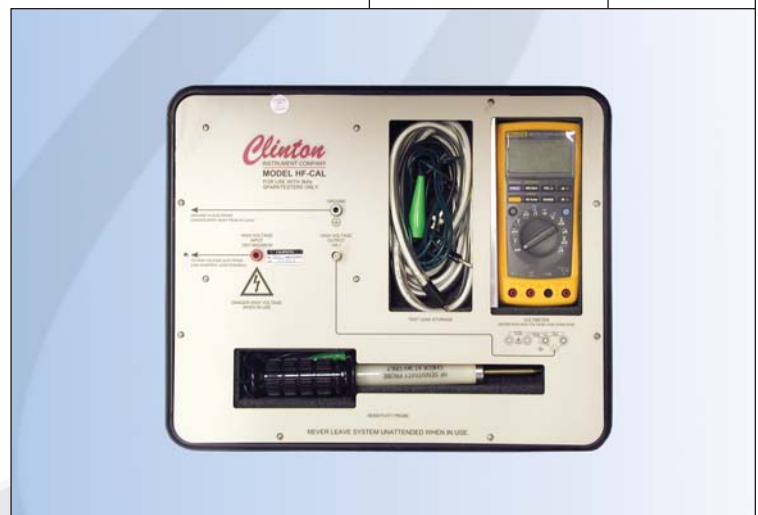
Since most high voltage probes lack the accuracy necessary at 3kHz, calibrating a High Frequency Spark Tester until now was a task requiring bulky instrumentation and considerable technical expertise. Routine calibration meant choosing between costly outside calibration services, personnel-intensive in-house procedures, or downtime when the spark tester had to be returned to the factory for service.

With the HF-CAL system, checking your spark tester's voltage is a simple four-step procedure:

- Clip the calibrator ground lead to a reliable ground point on the spark tester's electrode.
- Attach the high voltage lead from the calibrator to your electrode bead chain or brush.
- Connect the calibrator's voltage divider to its built-in voltmeter.
- Turn on the spark tester and compare its voltage reading to the true voltage digital readout on the calibrator.

The system also includes a troubleshooting probe that compares your spark tester's fault sensitivity to current factory standards.

The Clinton HF-CAL High Frequency Spark Test Calibrator can reduce calibration costs and verify that your Clinton spark testers are functioning as they should.



MODEL HF-CAL SPECIFICATIONS

High Frequency Calibrator

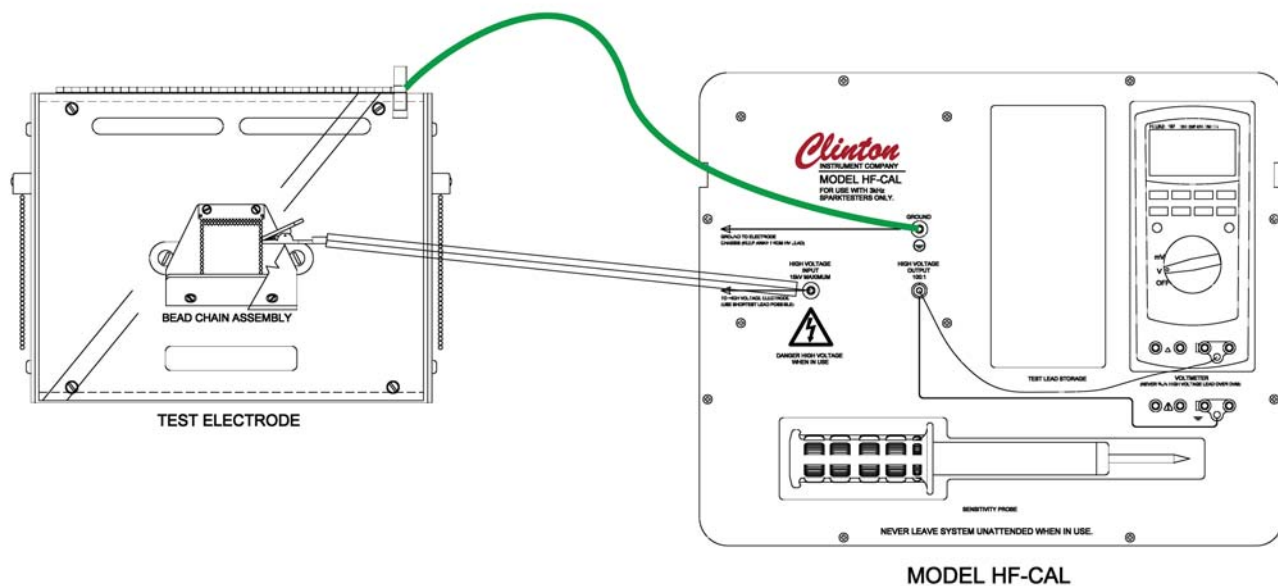
For voltage calibration of Clinton HF spark testers.

Input Voltage Range 100 volts to 15KV A.C.
 Input Frequency Range 1 kHz to 5 kHz.
 Output Voltage Reading 100:1 Ratio. (15.00 KV A.C. input yields a 150.00 volt A.C. readout. Multiply readout by 100 for true voltage.)
 Output Voltage
 Reading Accuracy +/- 2% or better.
 Maximum Output
 Voltage Reading 150.00 volts A.C. (equivalent to 15KV A.C. input voltage).
 Overall System Weight 20 lbs. (9.1 kg.)
 System Case Dimensions 18.5" W x 16.5" D x 8.5" H (470 mm W x 419 mm D x 216 mm H).
 Safety CE Approved.

Sensitivity Probe

For comparing a Clinton HF spark tester's fault detection sensitivity to the current Clinton factory specification, which is modeled after the BSI 5099 sensitivity standard.

Maximum Voltage 3 KV A.C.
 Lead length 6 feet (1.8 meters).
 individual Weight 0.5 lbs. (227 grams).
 Dimensions 12.5" L x 2.3" diameter.
 (318 mm L x 57.2 mm diameter).



Clinton
INSTRUMENT COMPANY

295 East Main St. • Clinton, CT 06413 USA • Tel: 860.669.7548 • Fax: 860.669.3825 • www.clintoninstrument.com

Specifications subject to change without notice. 06/04 EN