

HAL

HI POT / FLASH TESTER

HAL



The HAL unit offers numerous extensive features:

FEATURES

- Fully isolated HT outputs
- Multilingual capabilities
- Arc Detection
- Regulated Output
- Stores Test Data within internal database
- Connects Directly to Printer
- Connects Directly to bar code peripheral scanners
- Fully ramping voltage output
- Allows graphical complex test sequences to be generated
- Rotary encoder for friendly or 'natural' feel control of test voltages (Unique)
- Field Programmable
- Bar Graph Indication



HAL is the latest Hi-Pot and Insulation Tester from Clare Instruments. This new development enables increased traceability and flexibility, along with everything else expected from the world's best Hi-Pot testers.

HAL

HAL provides a memory to record up to 6000 results and outputs to produce labels, reports and the proof that your products are safe. The large clear graphics display gives the flexibility for production lines or the sophistication for approval laboratories. The fully floating output gives your operators one of the safest instruments available, and all for the cost of an ordinary Hi-Pot Tester.

As with all of Clare's products, HAL is backed by Clare's long standing reliability, serving the industry for nearly 50 years.

TO ORDER

product code	H101/US
Lead Set	H101LS/US
Beacons	DCS276/US



HAL

BENEFITS

- Full Compliance with International Safety Standards
- Intuitively Windows based
- Universal World-wide power supply
- Maintains regulated output, independent of supply.
- Prints records, barcodes and reports
- High Reliability – solid-state design
- Fast friendly dial-up selector, for voltage and operation
- Alphanumeric data entry.
- Selectable Output of 50/60 Hz
- Automatic Ramp Hold and Dwell

BENEFITS SPECIFICATIONS

SPECIFICATIONS

AC Hi-Pot Test

Voltage Range	0.100 – 5.000kV (programmable)
Voltage Resolution	10V/step (setable)
Voltage Accuracy	1% of reading
Maximum output current	20mA @5kV 50/60 Hz Selectable
Display Current Range	0.01 – 20.00mA
Current Accuracy	1% of reading
Display Current Resolution	0.01mA

DC Hi-Pot Test

Voltage Range	0.100 – 6.000kV (programmable)
Voltage Resolution	10V/step (setable)
Voltage Accuracy	1% of reading
Maximum output current	10mA @6kV
Display Current Range	0.01 – 10.00mA
Current Accuracy	1% of reading
Display Current Resolution	0.01mA
Output Ripple	< 5% @ 6kV

Insulation Resistance

DC Output Voltage	250, 500 or 1000V selectable, or fully adjustable from 10-1000V
Resistance Ranges Measurement	0.1 – 100.0M Ω 100M – 1G Ω
Resistance Ranges (Accuracy)	0.1M – 700M Ω 5% of reading 700M – 1G Ω 10% of reading

ARC Detection

Detect Current	10 levels
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GENERAL

Environmental

Operating Temperature	32°F to +113°F
Storage Temperature	-4°F to +140°F
Humidity	Non condensing (< 50°F)

Mechanical

Dimensions	12 x 8 x 14.8 inches
Weight	27 lbs

