



Hipot Tester

HT-20KVP AC

PN:00-HT20KP ac

❖ 20KV AC Dielectric Withstand Tester.



The HT-20kVP AC tester is a 20KVac hipot tester with Voltage and Leakage current displays for easy output monitoring.

Offers defeatable settings and adjustments on the front panel.

Easy to set up and use. Ships complete with cables, manual, Calibration Certificate and Calibration Data Log Copy.

*Actual products may vary depending on options and configuration.

➤ Features

- Fast accurate results.
- Microcontroller Technologies.
- One button test, easy to setup.
- LED's indicate test progress.
- Upon failure, the buzzer sounds, and testing is terminated.
- Output voltage, leakage limit, volt ramp-up time and test duration controls on front panel.
- Voltage ramp, arc detection and test timer are defeatable.
- Designed for product development and laboratory use.
- Separate arc detection circuitry.
- Supports PLC interface for complete automated testing with the **RI option**.
- Main shutdown switch on front panel.
- Ergonomically designed for safety, speed, and efficiency.
- Leads, manual and calibration certificate included.
- ISO17025 Calibration available.
- One year calibration cycle.
- One year warranty.



➤ Specifications

TESTING CIRCUITRY

Test Type:	AC.
Max. Output Voltage:	20,000Vac.
Leakage Current:	5mA continuous duty / 12.5mA 25% duty.
Breakdown Detect:	Independent High Frequency Circuit (50KHz–500KHz).
Transformer Power:	<500VA.
Leakage Current Detect:	Independent Low Frequency Circuit.
Discharge Time:	<7ms
Ramp Time Range:	1-5 Seconds.
Test Time Range:	1-60 Seconds.
Display:	4 Digits LED Display.
Voltage Meter Accuracy:	± 0.1KVac full scale.
Leakage Accuracy:	±0.1mA full scale.
Duty Cycle:	100%; Continuous.
Pass/Fail Repeatability:	±3%

ELECTRICAL

Rated Input Voltage:	120Vac. / 220,230V optional
Frequency:	50/60Hz.
Fuse:	2A / 1A, 250V, time delay, 5x20mm.

SAFETY

Safety Interlock:	2-pin terminal block on rear panel; shorted for operation. (Optional)
Output Voltage Indicator:	Front panel meter directly connected to High Voltage.
Failure Indicator:	Visual; provided by red LED's, Audible; provided by buzzer. Test automatically terminated on failure.

OUTPUTS

HV:	High Voltage output.
RETURN:	4mm Socket (XEF-1RR), 1000V, CAT IV, 24A, Black.

➤ Environmental

Operating Temperature:	15-40°C.
Relative Humidity Range:	0-90% non-condensing.



➤ General

Dimensions:	17" wide x 6U high x 17" deep.
Weight:	42lbs approx.
Product Package:	<ul style="list-style-type: none">• HT-20kVP AC Tester.• HT-20kVP AC User Manual.• H.V Test lead.• Ground Test Lead.• Power Cord.• NIST traceable calibration certificate to ANSI Z540.• Calibration Data Copy.

➤ Options

00-RI:	Relay Interface/PLC Interface. Test signals through relay contacts/coils.
00-XI:	External Safety Interlock.
00-AR:	Auto Reset on Pass.
00-VF:	Voltage Hold on Failure.
00-HT20K-220:	220V mains input.
00-HT20K-230:	230V mains input.

Rev 6.0

