



Hipot Tester

HT-20KVP AC/DC 5mA

PN:00-HT20KVP ACDC 5mA

❖ 20KV AC/DC Dielectric Withstand Tester.



*Actual products may vary depending on options and configuration.

The HT-20KVP ACDC 5mA tester emerges from the 20KVac only tester to offer more testing options with the same footprint.

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

➤ Features

- Fast accurate results.
- Microcontroller Technologies.
- One button test, easy to setup.
- Long life TEST and RESET buttons.
- 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.
- HV connector output with quarter turn twist lock for safety.
- 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/DC.
Max. Output Voltage:	20,000Vac / 25,000Vdc.
AC Leakage Current:	5mA @ Continuous duty, 12.5mA @ 25% duty, 0.1mA increments.
DC Leakage Current:	1-5mAdc; below 15kVdc, 1mA above 15kVdc, 0.1mA increments.
Breakdown Detect:	Independent High Frequency Circuit (50KHz–500KHz).
Transformer Power:	<500VA.
Leakage Current Detect:	Independent Low Frequency Circuit.
Ramp Time Range:	1-5 Seconds.
Test Time Range:	1-60 Seconds.
Display:	4 Digits LED Display.
Voltage Meter Accuracy:	± 0.1KVac full scale / ± 0.2KVdc full scale.
Leakage Accuracy:	±0.1mA full scale.
Duty Cycle:	100%; Continuous. 25%; 5 min ON, 15 min OFF
Pass/Fail Repeatability:	±3%

ELECTRICAL

Rated Input Voltage:	120Vac. 220,230V optional
Frequency:	60Hz.
Fuse:	2A, 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 with quarter turn lock.
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 11" high x 17" deep.
Weight:	45lbs approx.
Product Package:	<ul style="list-style-type: none"> • HT20KVP ACDC 5mA Tester. • HT20KVP ACDC 5mA 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-ZOS:	Zero Output Start, requires ramping up manually.
00-HT20K-220:	220V mains input.
00-HT20K-230:	230V mains input.

➤ Images



Rev 1.2

