Hipot Tester HT-5000P AC/DC 20mA

PN: 00-HT5000P ACDC 20mA

✤ 5000V AC/DC 20mA/10mA Dielectric Withstand Tester.



The HT-5000P AC/DC 20mA/10mA tester is a 5000V ac/dc hipot tester with Voltage display for easy output monitoring.

Offers defeatable ramp, arc detection and test timer settings and are adjustable on the rear 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

- AC output: up to 5kV.
- DC output: up to 6kV.
- Fast accurate results.
- Microcontroller Technologies.
- One button test, easy to set up.
- LED's indicate test progress.
- Upon failure, the buzzer sounds, and testing is terminated.
- Output voltage, Test and Reset 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**.
- Ergonomically designed for safety, speed, and efficiency.
- Leads, manual and calibration certificate included.
- ISO17025 Calibration available.
- One year calibration cycle.
- One year warranty.



Data Sheet

COMPLIANCE WEST USA

The blue box that tests. And tests.

Specifications

TESTING CIRCUITRY

Test Type: AC & DC. Max. Output Voltage: 5,000Vac / 6,000Vdc. Leakage Current: 20mAac & 10mAdc. 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: ±2% from 500-5,000Vac / ±2% from 500-6,000Vdc. Leakage Accuracy: ±0.1mA full scale. Duty Cycle: 100%; Continuous. ELECTRICAL Rated Input Voltage: Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: 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. The test is automatically terminated on failure. OUTPUTS Independent High Voltage outputs for AC and DC. HV Socket: Independent High Voltage outputs for AC and DC. </th <th></th> <th></th>		
Leakage Current: 20mAac & 10mAdc. Breakdown Detect: Independent High Frequency Circuit (50KHz-500KHz). Transformer Power: <500VA.	Test Type:	AC & DC.
Breakdown Detect: Independent High Frequency Circuit (50KHz-500KHz). Transformer Power: <500VA.	Max. Output Voltage:	5,000Vac / 6,000Vdc.
Transformer Power:<500VA.	Leakage Current:	20mAac & 10mAdc.
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: ±2% from 500-5,000Vac / ±2% from 500-6,000Vdc. Leakage Accuracy: ±0.1mA full scale. Duty Cycle: 100%; Continuous. ELECTRICAL Rated Input Voltage: Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: Output Voltage Indicator: Front panel meter directly connected to High Voltage. Failure Indicator: Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure. OUTPUTS HV Socket: HV Socket: Independent High Voltage outputs for AC and DC.	Breakdown Detect:	Independent High Frequency Circuit (50KHz-500KHz).
Ramp Time Range: 1-5 Seconds. Test Time Range: 1-60 Seconds. Display: 4 Digits LED Display. Voltage Meter Accuracy: ±2% from 500-5,000Vac / ±2% from 500-6,000Vdc. Leakage Accuracy: ±0.1mA full scale. Duty Cycle: 100%; Continuous. ELECTRICAL Rated Input Voltage: Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: 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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.	Transformer Power:	
Test Time Range:1-60 Seconds.Display:4 Digits LED Display. ±2% from 500-5,000Vac / ±2% from 500-6,000Vdc. Leakage Accuracy:Leakage Accuracy:±0.1mA full scale.Duty Cycle:100%; Continuous. ELECTRICAL Rated Input Voltage:120Vac. 220,230V optional 50/60Hz.Frequency:50/60Hz.Fuse:2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure. OUTPUTS HV Socket:Independent High Voltage outputs for AC and DC.	Leakage Current Detect:	Independent Low Frequency Circuit.
Test Time Range:1-60 Seconds.Display:4 Digits LED Display. ±2% from 500-5,000Vac / ±2% from 500-6,000Vdc. Leakage Accuracy:Leakage Accuracy:±0.1mA full scale.Duty Cycle:100%; Continuous. ELECTRICAL Rated Input Voltage:120Vac. 220,230V optional 50/60Hz.Frequency:50/60Hz.Fuse:2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure. OUTPUTS HV Socket:Independent High Voltage outputs for AC and DC.		
Display: 4 Digits LED Display. Voltage Meter Accuracy: ±2% from 500-5,000Vac / ±2% from 500-6,000Vdc. Leakage Accuracy: ±0.1mA full scale. Duty Cycle: 100%; Continuous. ELECTRICAL Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. 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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.	1 3	
Voltage Meter Accuracy: ±2% from 500-5,000Vac / ±2% from 500-6,000Vdc. Leakage Accuracy: ±0.1mA full scale. Duty Cycle: 100%; Continuous. ELECTRICAL Rated Input Voltage: Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: Output Voltage Indicator: Front panel meter directly connected to High Voltage. Failure Indicator: Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.	Test Time Range:	1-60 Seconds.
Voltage Meter Accuracy: ±2% from 500-5,000Vac / ±2% from 500-6,000Vdc. Leakage Accuracy: ±0.1mA full scale. Duty Cycle: 100%; Continuous. ELECTRICAL Rated Input Voltage: Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: Output Voltage Indicator: Front panel meter directly connected to High Voltage. Failure Indicator: Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.		
Leakage Accuracy:±0.1mA full scale.Duty Cycle:100%; Continuous.ELECTRICAL Rated Input Voltage:120Vac. 220,230V optionalFrequency:50/60Hz.Fuse:2A, 250V, time delay, 5x20mm.SAFETY Safety Interlock:2-pin terminal block on rear panel; shorted for operation. (Optional) Output Voltage Indicator:Failure Indicator:Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure.OUTPUTS HV Socket:Independent High Voltage outputs for AC and DC.		
Duty Cycle: 100%; Continuous. ELECTRICAL Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. 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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.		
ELECTRICAL Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: 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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.	Leakage Accuracy:	±0.1mA full scale.
ELECTRICAL Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: 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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.		
Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: 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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.	Duty Cycle:	100%; Continuous.
Rated Input Voltage: 120Vac. 220,230V optional Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: 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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.		
Frequency: 50/60Hz. Fuse: 2A, 250V, time delay, 5x20mm. SAFETY Safety Interlock: 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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.		
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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.	Rated Input Voltage:	
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. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.	Frequency:	50/60Hz.
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. The test is automatically terminated on failure. OUTPUTS Independent High Voltage outputs for AC and DC.	Fuse:	2A, 250V, time delay, 5x20mm.
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. The test is automatically terminated on failure. OUTPUTS Independent High Voltage outputs for AC and DC.		
Output Voltage Indicator: Front panel meter directly connected to High Voltage. Failure Indicator: Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure. OUTPUTS Independent High Voltage outputs for AC and DC.	SAFETY	
Output Voltage Indicator: Front panel meter directly connected to High Voltage. Failure Indicator: Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure. OUTPUTS Independent High Voltage outputs for AC and DC.	Safety Interlock:	2-pin terminal block on rear panel; shorted for operation. (Optional)
Failure Indicator: Visual; provided by red LED's, Audible; provided by buzzer. The test is automatically terminated on failure. OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.	,	
OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.		1 , 5 5
OUTPUTS HV Socket: Independent High Voltage outputs for AC and DC.		
HV Socket: Independent High Voltage outputs for AC and DC.		
HV Socket: Independent High Voltage outputs for AC and DC.	OUTPUTS	
		Independent High Voltage outputs for AC and DC
KETUKN: 4mm Socket (XEF-1KK), 1000V, CAT IV, 24A, Black.		
	KETUKN:	4mm Socket (XEF-1RR), 1000V, CAT IV, 24A, Black.

Environmental

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

General

Dimensions:	11.25" wide x 4.75" high x 13" deep.
Weight:	18lbs approx.
Product Package:	 HT-5000P AC/DC 20mA Tester. HT-5000P AC/DC 20mA User Manual. H.V Test lead. Ground Test Lead. Power Cord. NIST traceable calibration certificate to ANSI Z540. Calibration Data Copy.



COMPLIANCE WEST USA The blue box that tests. And tests.

> 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.
00-220:	220V mains input.
00-230:	230V mains input.
00-240:	240V mains input.

Rev 0.0

