

**Aumictech**

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Data Sheet

August 13, 2026

INSTEK

Instek GPI-825 AC 500VA Withstand Voltage / Insulation Tester

Key Features - 500 VA AC capacity (GPT-805/815/GPI-825 class) - Zero turn-on operating switch - Automatic FAIL lamp and buzzer - Voltage adjustable during test - Three ranges of adjustable cutoff current - Arc detection - No DC hipot (that is GPT-815) Technical

Specifications Model: GPI-825 Manufacturer: GW Instek Instrument Type: AC withstanding voltage and insulation tester Series: GPT/GPI-800 Alias: GPI825 AC capacity: 500 VA AC output voltage: 0.1 kV to 5 kV AC voltage regulation: 15% AC voltage accuracy: $\pm(3\%$ of reading + 3 counts) AC trip current: 0.



MODEL

Instek GPI-825

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

GPI-825

LISTING

<https://aumictechlabs.com/products/gpi-825-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Instek GPI-825 is an AC 500VA withstand voltage and insulation resistance tester engineered for electrical safety verification in manufacturing and repair environments. It delivers dual-mode testing: AC withstand voltage up to 5 kV AC with adjustable arc detection, and insulation resistance measurement to 2000 M Ω at DC 500 V or 1000 V. The instrument combines precision voltage and current metering with safety-critical features including zero-crossing turn-on, automatic FAIL indication via alarm lamp and buzzer, and programmable test duration from 1 to

180 seconds or continuous operation. Technical Specifications AC Withstanding Voltage Test Output voltage: 0.1 kV to 5 kV AC Voltage regulation: 15% Voltage accuracy: $\pm 3\%$ of reading ± 3 counts Power capacity: 500 VA Trip current range: 0.3 mA to 100 mA Current accuracy: 3% of reading ± 2 counts Arc detection: Adjustable, 0.3 mA to 100 mA range Zero crossing turn-on: Standard Insulation Resistance Test Output voltage: DC 500 V / 1000 V Resistance range: 1 M Ω to 2000 M Ω Accuracy (1–500 M Ω): $\pm 5\%$ of reading Accuracy (501–2000 M Ω): $\pm 10\%$ of reading Key Features Simultaneous three-parameter display: voltage, current, and timer (3.5-digit LED, 0.39 inch) True RMS current readback Adjustable voltage output during test period Test time selectable: 1–180 seconds or continual mode Remote control support: START, RESET, and Pass/Fail signals via 9-pin PLC connector Power supply: AC 115 V or 230 V, 50/60 Hz (factory configured) Physical & Operating Parameters Dimensions: 330 mm W $\times$ 149 mm H $\times$ 446 mm D Weight: 15–20 kg Operating temperature: 0° to 40°C (32° to 104°F) Altitude rating: Up to 2000 m Relative humidity: Up to 80% Indoor use only Compliance & Integration Complies with JIS, CSA, UL, BS standards and European Directives 89/336/EEC, 92/31/EEC (EMC); 73/23/EEC, 93/68/EEC (Low Voltage); and IEC/EN 61010-1 (Safety). Supplied with power cord, instruction manual, and GHT-105 test lead.

Features & description

From manufacturer datasheet

Features

- 500 VA AC capacity (GPT-805/815/GPI-825 class)
- Zero turn-on operating switch
- Automatic FAIL lamp and buzzer
- Voltage adjustable during test
- Three ranges of adjustable cutoff current
- Arc detection
- No DC hipot (that is GPT-815)

GPI825 Characteristics / Specifications

PARAMETER	VALUE
Model	GPI-825
Manufacturer	GW Instek
Instrument Type	AC withstanding voltage and insulation tester
Series	GPT/GPI-800
Alias	GPI825
AC capacity	500 VA
AC output voltage	0.1 kV to 5 kV
AC voltage regulation	15%
AC voltage accuracy	±(3% of reading + 3 counts)
AC trip current	0.3 to 100 mA
AC current accuracy	±(5% of reading + 2 counts)
DC withstanding	not provided (GPT-815 only)
IR output voltage	500 V / 1000 V DC
IR resistance range	1 to 2000 Mohm
IR accuracy 1 to 500 Mohm	±(5% of reading + 2 counts)
IR accuracy 501 to 2000 Mohm	±(10% of reading + 2 counts)
Test time	1 to 180 s or continual
Arc detection current	0.3 to 100 mA
Timer display	3 digits 0.39 inch LED
Voltage current display	3 1/2 digits 0.39 inch LED
Remote control	9-pin START, RESET
AC power	115 V ±10% or 230 V ±10%, 50/60 Hz, factory setting
Dimensions	330 mmWx 149 mmHx 446 mmDWeight: approximately 20 kg
Accessories	user manual, power cord, GHT-105A
Related GPT 8	AC 500 VA withstand only

PARAMETER	VALUE
Related GPI 8	AC 100 VA, trip 0.3 to 20 mA, about 15 kg
Spec note	guaranteed when AC source distortion is less than 3%

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	GPI-825
Manufacturer	GW Instek
Instrument Type	AC withstanding voltage and insulation tester
Series	GPT/GPI-800
Alias	GPI825
AC capacity	500 VA
AC output voltage	0.1 kV to 5 kV
AC voltage regulation	15%
AC voltage accuracy	±(3% of reading + 3 counts)
AC trip current	0.3 to 100 mA
AC current accuracy	±(5% of reading + 2 counts)
DC withstanding	not provided (GPT-815 only)
IR output voltage	500 V / 1000 V DC
IR resistance range	1 to 2000 Mohm
IR accuracy 1 to 500 Mohm	±(5% of reading + 2 counts)
IR accuracy 501 to 2000 Mohm	±(10% of reading + 2 counts)
Test time	1 to 180 s or continual
Arc detection current	0.3 to 100 mA
Timer display	3 digits 0.39 inch LED
Voltage current display	3 1/2 digits 0.39 inch LED
Remote control	9-pin START, RESET
AC power	115 V ±10% or 230 V ±10%, 50/60 Hz, factory setting
Dimensions	330 mmWx 149 mmHx 446 mmDWeight: approximately 20 kg
Accessories	user manual, power cord, GHT-105A
Optional rack: GRA-402 19 inch 4U	
Specifications	

PARAMETER	VALUE
Related GPT 805	AC 500 VA withstand only
Related GPI 826	AC 100 VA, trip 0.3 to 20 mA, about 15 kg
Spec note	guaranteed when AC source distortion is less than 3%

Notes

Specs from GW Instek GPT-805/815 and GPI-825/826 specification sheet. Confirm factory 115 V versus 230 V setting. Do not apply GPT-815 DC 0.2 to 5 kV / 0.3 to 10 mA hipot rows to GPI-825.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.