

## GPT-9600 Specifications

The specifications apply when the GPT-9600 is powered on for at least 30 minutes under +15°C~+35°C.



| Model \ Func. | AC<br>WITHSTANDING | DC<br>WITHSTANDING | INSULATION<br>RESISTANCE |
|---------------|--------------------|--------------------|--------------------------|
| GPT-9603      | ✓                  | ✓                  | ✓                        |
| GPT-9612      | ✓                  | ✗                  | ✓                        |
| GPT-9602      | ✓                  | ✓                  | ✗                        |
| GPT-9601      | ✓                  | ✗                  | ✗                        |

| AC WITHSTANDING              |                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------|
| Output-Voltage Range         | 0.10kV~ 5.00kV ac                                                                                       |
| Output-Voltage Resolution    | 10V                                                                                                     |
| Output-Voltage Accuracy      | ± (1.5% of setting + 2 counts) with no load                                                             |
| Maximum Rated Load           | 100 VA (5kV/20mA)                                                                                       |
| Maximum Rated Current        | 20mA (0.5kV < V ≤ 5kV)<br>5mA (0.1kV ≤ V ≤ 0.5kV)                                                       |
| Output-Voltage Waveform      | Sine wave                                                                                               |
| Output-Voltage Frequency     | 50 Hz / 60 Hz selectable                                                                                |
| Voltage regulation           | ± (1.5% + 2 counts) [full load → no load]                                                               |
| Voltmeter Accuracy           | ± (1.5% of reading + 2 counts)                                                                          |
| Current Measurement Range    | 0.01mA~20.0mA                                                                                           |
| Current Best Resolution      | 0.01mA / 0.1mA                                                                                          |
| Current Measurement Accuracy | ±(2.0% of reading + 10 counts) when HISET < 1.00mA<br>±(2.0% of reading + 3 counts) when HISET ≥ 1.00mA |
| Current Judgment Accuracy    | ±(3.0% of setting + 10 counts) when HISET < 1.00mA<br>±(3.0% of setting + 3 counts) when HISET ≥ 1.00mA |
| Window Comparator Method     | Yes                                                                                                     |
| ARC Detect                   | Yes                                                                                                     |
| RAMP (Ramp-Up Time)          | 0.1s fixed                                                                                              |
| TIMER (Test Time)            | OFF, 1s~180s                                                                                            |
| GND                          | ON                                                                                                      |
| DC WITHSTANDING              |                                                                                                         |
| Output-Voltage Range         | 0.10kV~ 6.00kV dc                                                                                       |
| Output-Voltage Resolution    | 10V                                                                                                     |
| Output-Voltage Accuracy      | ± (1.5% of setting + 2 counts) with no load                                                             |
| Maximum Rated Load           | 25W (5kV/5mA)                                                                                           |
| Maximum Rated Current        | 6mA (0.5kV < V ≤ 6kV)<br>2mA (0.1kV ≤ V ≤ 0.5kV)                                                        |
| Voltage regulation           | ± (1.5% + 2 counts) [full load → no load]                                                               |
| Voltmeter Accuracy           | ± (1.5% of reading + 2 counts)                                                                          |

|                              |                                                                                                         |                  |                         |
|------------------------------|---------------------------------------------------------------------------------------------------------|------------------|-------------------------|
| Current Measurement Range    | 0.01mA~6.00mA                                                                                           |                  |                         |
| Current Best Resolution      | 0.01mA                                                                                                  |                  |                         |
| Current Measurement Accuracy | ±(2.0% of reading + 10 counts) when HISET < 1.00mA<br>±(2.0% of reading + 3 counts) when HISET ≥ 1.00mA |                  |                         |
| Current Judgment Accuracy    | ±(3.0% of setting + 10 counts) when HISET < 1.00mA<br>±(3.0% of setting + 3 counts) when HISET ≥ 1.00mA |                  |                         |
| Window Comparator Method     | Yes                                                                                                     |                  |                         |
| ARC Detect                   | Yes                                                                                                     |                  |                         |
| RAMP (Ramp-Up Time)          | 0.1s fixed                                                                                              |                  |                         |
| TIMER (Test Time)            | OFF, 1s~180s                                                                                            |                  |                         |
| GND                          | ON                                                                                                      |                  |                         |
| INSULATION RESISITANCE       |                                                                                                         |                  |                         |
| Output-Voltage               | 50V, 100V, 250V, 500V, 1000V dc                                                                         |                  |                         |
| Output-Voltage Accuracy      | ± (3.0% of setting + 1 count) [no load]                                                                 |                  |                         |
| Resistance Measurement Range | 1MΩ~ 2000 MΩ                                                                                            |                  |                         |
|                              | Test voltage                                                                                            | Measurable Range | Accuracy                |
|                              | 50V/100V/250V                                                                                           | 1~ 50 MΩ         | ±(5% of reading + 2MΩ)  |
|                              |                                                                                                         | 51~ 2000 MΩ      | ±(10% of reading + 2MΩ) |
|                              | 500V/1000V                                                                                              | 1~ 500 MΩ        | ±(5% of reading + 2MΩ)  |
|                              |                                                                                                         | 501~ 2000 MΩ     | ±(10% of reading + 2MΩ) |
| Window Comparator Method     | Yes                                                                                                     |                  |                         |
| Output Impedance             | 600 kΩ                                                                                                  |                  |                         |
| RAMP (Ramp-Up Time)          | 0.1s fixed                                                                                              |                  |                         |
| TIMER (Test Time)            | OFF, 1s~180s                                                                                            |                  |                         |
| GND                          | OFF (fixed)                                                                                             |                  |                         |
| TEST MODE*                   |                                                                                                         |                  |                         |
| SINGLE                       | ACW, DCW, IR                                                                                            |                  |                         |
| AUTO                         | AC-IR, IR-AC, DC-IR, IR-DC                                                                              |                  |                         |
| INTERFACE                    |                                                                                                         |                  |                         |
| Remote Terminal (Front)      | Standard                                                                                                |                  |                         |
| SIGNAL IO                    | Standard                                                                                                |                  |                         |
| GENERAL                      |                                                                                                         |                  |                         |
| Display                      | 240 x 48 Ice Blue dot matrix LCD                                                                        |                  |                         |
| Power Source                 | AC 100V-120V/220V-240V ±10%, 50/60Hz                                                                    |                  |                         |
| Power Consumption            | 400VA max.                                                                                              |                  |                         |
| Dimensions & Weight          | 330(W) x 148(H) x 385(D) mm<br>approx.9kg(Max)                                                          |                  |                         |

\* The available "Test Mode" depends on selected model