

GPS-3861

Advanced insulation tester

The instrument is for both quality control and laboratory use. It can be used to measure insulation resistance of electronic components, devices, dielectric materials, wires, cables and more. The unit incorporates a 4-digit dual display to show insulation resistance and leakage current and can output comparison/decision results for sorting components into 2 bins. Furthermore, by using the handler interface, the GPS-3861 can be easily combined with a component handler and a system controller to fully automate component testing, sorting and quality control data processing. A GD/NG indicator on the VFD provides a visual display of test results based on a pre-set limit. 30 sets of test conditions are stored in the unit and can be re-programmed by the user.



BIN sorting



Large VFD display



Remote connectivity



Dual display



- High brightness VFD
- Measures insulation resistance and leakage current
- Output voltage: 1.0VDC~1000VDC
- Basic accuracy: <math><1G: \pm 1\%</math>
$\geq 1G: \pm 3\%$
$\geq 10G: \pm 5\%$
- Max charge current: 30mA \pm 5mA
- Automatic test with 6 ranges
- Measuring range from 100k Ω to 1T Ω
- Super-fast test rate
- Built-in 2 timers (charge timer, sample timer)
- Correction (Zeroing) function
- Built-in comparator (Sorting)
- Trigger mode: Internal, Manual (remote), and External (Handler)
- Environmental: MIL-T-28800D, Type 3, Class 5, Style E & F

- Interface**
1. Handler interface: GD/NG Output, Trig Signal Input and EOC (Busy) Output
 2. RS232C interface: SCPI compatibility, ASCII transmission