WK1868A 高阻機 / Megohmmeters

產品特色

- High Output Power to 80Watts
- Measurement Range: 10kΩ to 1PΩ
- Basic Accuracy: ± 2% to 1TΩ
- Programmable Test Voltage: 10V to 1kV (1868A), 50V to 5kV (1868D)
- Selectable Charge Current: to 80mA (1868A), to 18mA (1868D)
- Leakage Current Measurement Down to 1pA (± 2% Basic Accuracy)
- Programmable Charge, Delay and Discharge Times
- Contact Check Function
- 5 Programmable Limit Sets
- Internal Storage of 4 Tests (20 Steps each) Plus Additional Storage with Optional PCMCIA Memory Card
- Standard RS232, IEEE and Remote I/O Interfaces
- Graphic LCD with Text, Bar Graph and X-Y Graph Displays
- Current or Resistance Display Mode
- 4 Ranges Plus Automatic Ranging
- Automatic Zeroing
- Floating Power Supply (1868A) for Measurements on Grounded Devices

產品規格

Resistance Range	10kΩ - 1PΩ (dependent on test voltage) 4 Ranges or Auto Range: Range 1: 1pA to 10nA, Range 2: 2nA to 100nA, Range 3: 20nA to 10uA, Range 4: 2uA to 1mA
Resistance Accuracy	For Rx <20G (Vx): ±(2% of reading +5cnt) , For Rx >20G (Vx): ±(Vx/1pA) in ohms. Max reading: Vx/0.1pA Rx = Measured resistance in ohms, Vx = Programmed voltage in volts
Voltage Range	10 to 1000V DC in 1V steps, 1868A 50 to 5000V DC in 1V steps, 1868D
Voltage Accuracy	2% of setting, ±1V in uncalibrated mode
Source Resistance	100Ω, 1kV (1868A); 3.3kΩ, 5kV (1868D)
Charge Current	2/25/80mA (1868A); 2/10/18mA (1868D)
Discharge Resistance	100kΩ

產品規格		
Current Measure	1pA to 1mA	
Current Accuracy	±[2% of reading +5cnts +1pA]	
Input Impedance	For Ix > 10nA: 10kΩ ; For Ix < 10nA: 1MΩ ,Ix = Programmed current in amperes	
Measure Limits	5 Programmable Limit Sets	
Measurement Result	Resistance or Current	
Measurement Mode	Continuous or Triggered	
Averaging	1-100 measurements	
Test Speed	Trigger Mode: 40msec, Continuous Mode: 90-4000msec, (Depending on # to Average)	
Programmed Time	Charge: 0 - 9999msec (Charge R: 200Ω) Measurement Delay: 0 - 9999msec Discharge: 0 - 100sec or Auto mode	Auto: 0.1(Cx) as Vx goes to 1% Vt Cx = Measured capacitance (μF) Vx = Programmed voltage (V)
Zero/Offset	Automatic Zeroing of All Ranges or Individual Zeroing of 4 Ranges	
Display	LCD graphic display 3.5 digit resolution Line Graph: X-Y: I or R versus Time	Bar Graph: 8 ranges/2 decades/graph, Fixed or auto-scale Indicators: HV, Measure, Bin, Remote
Standard Interfaces	RS232, IEEE 488, Remote I/O	
Internal Storage	2 Global Setups (Save Instrument Setup and Sequence Setups) 4 User-Programmable Sequence Setups, (Up to 20 Steps each) 4 Pre-Programmed Sequence Setups	
External Storage	PCMCIA Interface for 2M SRAM Memory Cards (20 Setups/20 Steps each)	
Input Terminals	HV: BNC Connector I IN: Triaxial Connector GUARD: Sheathed Banana Plug	
Safety	Interlock Plug Password-protected Charge Current (For I > 2mA) HV Break Red LED/Push Button	
Dimensions	(w x h x d):12.5 x 4.5 x 15.5 inches (312.5 x 112.5 x 387.5 mm)	
Weight	28 lbs (12.7kg) net 41 lbs (18.6kg) ship	
Environmental	Operating: 10°C to +40°C, 80% RH	
Power	110V - 240V 50 or 60Hz 400W Max (1.8A at 220V AC, 3.2A at 125V AC)	