

HIGH VOLTAGE INSULATION TESTERS



12000V

KEW 3128

CAT IV 600V DC AC V USB AUTO POWER OFF External Power Supply

- Test Voltage 12kV (max), Resistance 35TΩ (max).
- Short-Circuit Current 5mA (max).
- Graphic representation of the insulation resistance and leakage current versus time on large display with bar graph and backlight.
- Print Screen Function enables to record up to 32 display screens.
- Internal Memory can store about 43,000 data (max).
- Can be operated from internal rechargeable battery or from AC line.
- Robust design for field use with IP64 rating (with lid closed).

Function

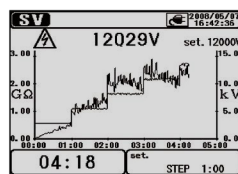
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		3128						
Insulation resistance	Test voltage	500V	1000V	2500V	5000V	10000V	12000V	
	Max measurement value	500GΩ	1TΩ	2.5TΩ	5TΩ	35TΩ		
	Accuracy	400kΩ - 50GΩ ±5%rdg±3dgt	800kΩ - 100GΩ ±5%rdg±3dgt	2MΩ - 250GΩ ±5%rdg±3dgt	4MΩ - 500GΩ ±5%rdg±3dgt	8MΩ - 1TΩ ±5%rdg±3dgt		
		50G - 500GΩ ±20%rdg	100G - 1TΩ ±20%rdg	250G - 2.5TΩ ±20%rdg	500G - 5TΩ ±20%rdg	1T - 10TΩ ±20%rdg		10T - 35TΩ Values are displayed, but accuracy isn't guaranteed
	Short circuit current	Max 5.0mA						
Output voltage	Load resistor to output rated voltage	0.5MΩ or more	1MΩ or more	2.5MΩ or more	5MΩ or more	20MΩ or more	24MΩ or more	
	Rated voltage	500V	1000V	2500V	5000V	10000V	12000V	
	Monitor accuracy	±10%±20V						
	Output accuracy	0 - +20%	0 - +10%	0 - +10%	0 - +10%	-5 - +5%	-5 - +5%	
Voltage measurement	Selectable range	50 - 600V (in steps of 5V)	610 - 1200V (in steps of 10V)	1225 - 3000V (in steps of 25V)	3050 - 6000V (in steps of 50V)	6100 - 10000V (in steps of 100V)	10100 - 12000V (in steps of 100V)	
	Measuring range	DCV : ±30 - ±600V, ACV : 30 - 600V(50/60Hz)						
	Accuracy	±2%rdg±3dgt						
Current measurement	Measuring range	5.0nA - 2.40mA(Depending on the insulation resistance)						
	Accuracy	±5%rdg±5dgt						
Capacitance measurement	Measuring range	5.0nF - 50.0μF					5.0nF - 1.0μF (Display range : 5.0nF - 50.0μF)	
	Accuracy	±5%rdg±5dgt						
General	Applicable Standards	IEC 61010-1 CAT IV 600V Pollution degree 2, IEC 61326, IEC 60529(IP64): with the lid closed.						
	Power source	Rechargeable Lead storage battery (12V *Charging time : approx. 8 hours) / AC Power supply (100V - 240V, 50/60Hz) *Continuous measuring time: approx. 4 hours a load of 100MΩ at the Insulation resistance 12000V Range.						
	Dimensions	330(L) × 410(W) × 180(D)mm *Instrument and Hard case						
	Weight	9kg approx. (including battery) *Instrument and Hard case						
	Accessories	7170(Power cord), 7224A(Earth cord), 7225A(Guard cord), 7226A(Line probe), 7227A(Line probe with alligator clip), 8029(Extension prod), 8212-USB-W(USB adaptor with KEW Windows(software)), Instruction manual						
	Optional	7254(Longer line probe with alligator clip)(15m)						

SV SV Measurement (Step Voltage)

During the test, the applied voltage incrementally steps by a certain voltage taking successive 5-time measurement. Degradation of insulation may be doubted when insulation resistances become lower at higher applied voltages.



RAMP RAMP TEST

Voltage used in Step voltage test is raised in steps but that used in Ramp measurement is gradually raised. The KEW 3127 Ramp test generates a rising voltage ramp up to the selected voltage.

[Breakdown Mode]

KEW 3127 automatically stops the test if the insulation breaks down in order to prevent damage to the object being tested.

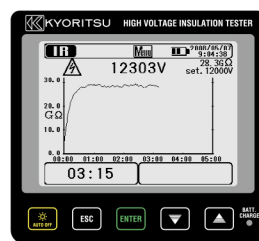
[Burn Mode]

KEW 3127 allows the insulation test voltage to continue even after the insulation breaks down. This enables you to locate a fault, such as pinholes in windings, by seeing a spark or a wisp of smoke.



Large Graphical Display

Graphic representation of the insulation resistance and leakage current versus time on large display with bar graph and backlight.



"KEW Windows" Software for report

The stored data can be transferred to PC via MODEL8212-USB-W.



System requirements

- OS: Windows® 8/10
- Display: XGA (Resolution 1024 × 768 dots) or more
- Hard-disk: Space required 100Mbyte or more
- Others: With CD-ROM drive and USB port
NET Framework(2.0 or more)

* Windows® is a registered trademark of Microsoft in the United States.

Optional Accessory

MODEL 7254

Longer line probe with alligator clip : 15m



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