

## High Voltage Insulation Tester

**KEW****3128**[High Voltage Insulation Tester](#)[▶ Selection Guide](#)[▶ Product Catalogue](#)[▶ Software](#)

- Microprocessor controlled high voltage insulation resistance tester with Diagnostic functions.
- Suitable for analyzing the insulation characteristics of cables, transformers, motors, generators, high-pressure switches, insulators, wiring installations, etc.
- 6 ranges: 500V, 1000V, 2500V, 5000V, 10000V, 12000V  
Fine adjustment of voltage setting at each range is also possible
- Graphic representation of the insulation resistance and leakage current versus time on large display with bar graph and backlight.
- Can be operated from built-in rechargeable battery or from AC line.
- Automatic discharge after test with monitoring of the discharge voltage.
- Internal memory can store about 43,000 data (max).
- Robust design for field use with IP64 rating (with lid closed).

**NEW**

Insulation resistance (*): Accuracy is not guaranteed with setting of 250V or less						
Rated voltage	500V	1000V	2500V	5000V	10000V	12000V
Max measurement value	500GΩ	1TΩ	2.5TΩ	5TΩ	35TΩ	
Accuracy	0~50GΩ ±5%rdg±3dgt (*)	0~100GΩ ±5%rdg±3dgt	0~250GΩ ±5%rdg±3dgt	0~500GΩ ±5%rdg±3dgt	0~1TΩ ±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					
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
Output voltage						
Rated voltage	500V	1000V	2500V	5000V	10000V	12000V
Monitor accuracy	±10%±20V	±10%±20V	±10%±20V	±10%±20V	±10%±20V	±10%±20V
Output accuracy	0~+20%	0~+10%	0~+10%	0~+10%	-5~+5%	-5~+5%
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)
Voltage measurement						
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)					

Capacitance measurement		
Measuring range	5.0nF~50.0μF	5.0nF~1.0μF (display range: 5.0nF~50.0μF)
Accuracy	±5%rdg±5dgt	
General		
Withstand voltage	AC8770V : between line terminal and enclosure / 5sec (50/60Hz) AC6880V : between the measuring terminal and enclosure / 5sec (50/60Hz) AC2330V : between the power connector and enclosure / 5sec (50/60Hz)	
Operating temperature & humidity range	-10°C~50°C /Relative humidity 85% or less (when operating with an external power supply, no condensation) 0°C~40°C /Relative humidity 85% or less (when operating with battery, no condensation)	
Storage temperature & humidity range	-20°C~60°C / Relative humidity 75% or less (no condensation)	
Applicable standards	IEC 61010-1 CAT.IV 600V Pollution degree 2, IEC 61010-031, 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.	
Dimension	330 (L) × 410 (W) × 180 (D) mm *Instrument and Hard case	
Weight	9kg approx. (including battery) *Instrument and Hard case	
Accessories	7170 (Main cord), 7224 (Earth cord), 7225 (Guard cord), 7226 (Line probe), 7227 (Line probe with alligator clip), 8029 (Extension prod), 8212-USB-W (USB adaptor with KEW Windows (Software)), Instruction manual, Calibration Certificate	