

NEW



Quality and reliability is our tradition

KYORITSU

Digital High Voltage Insulation Tester KEW 3126

**Test voltage up to 5kV, Resistance up to 1T Ω
Short-Circuit Current up to 5mA**



- **Short-Circuit Current up to 5mA**
- **Wide range measurements from 500V to 5000V and up to 1T Ω**
- **Large digital display with Bar Graph indication and with LED back light**
- **Polarization Index measurement (PI), Dielectric Absorption Ratio (DAR)**
- **Filter function reduces noise interference for obtaining stable measurement**

- **Indication of Output voltage and Discharge voltage**
- **Auto-discharge function and Output voltage warning function**
- **Auto power off and Battery Indicator**
- **Safety standard**

IEC 61010-1 CAT. III 600V

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

<http://www.kew-ltd.co.jp>

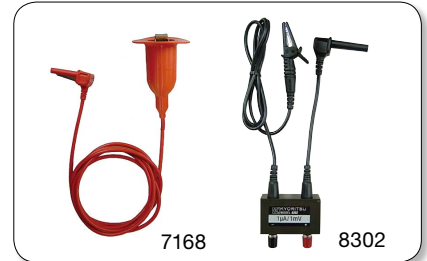
● Specifications

Range	Insulation resistance				Voltage measurement
	500V	1000V	2500V	5000V	VAC/DC
Measuring range	0.0~99.9MΩ 100~999MΩ	0.0~99.9MΩ 100~999MΩ 1.00~1.99GΩ	0.0~99.9MΩ 100~999MΩ 1.00~9.99GΩ 10.0~99.9GΩ	0.0~99.9MΩ 100~999MΩ 1.00~9.99GΩ 10.0~99.9GΩ 100~1000GΩ(1TΩ)	30~600V AC/DC (50/60Hz)
Accuracy	±5%rdg±3dgt	±5%rdg±3dgt	±5%rdg±3dgt	±5%rdg±3dgt ±20%(100GΩ or more)	±2%rdg±3dgt
Short circuit current	Max 5mA				—
Rated test current	1mA to 1.2mA @0.5MΩload	1mA to 1.2mA @1MΩload	1mA to 1.2mA @2.5MΩload	1mA to 1.2mA @5MΩload	—
Open circuit voltage	500VDC+30% -0%	1000VDC+20% -0%	2500VDC+20% -0%	5000VDC+20% -0%	—
Maximum display	999 Counts(1000 counts only at 1000GΩ)				630 Counts
Current consumption	About 1000mA(During measurement)				About 110mA
Withstand voltage	5320V AC for 5 seconds				
Applicable standard	CAT.Ⅲ 600V Pollution degree 2				
Power source	DC12V: LR14 x 8 pcs				
Dimensions	205(L) x 152(W) x 94(D) mm				
Weight	1.8kg approx.				
Accessories	7165A(Line probe), 7224A(Earth cord), 7225A(Guard cord), 8019(Pickel type prod), 8254(Ex- tension probe), LR14(Alkaline battery size C)×8, 9159(Hard case), Instruction manual				
Optional	7168(Line probe with alligator clip), 8302(Adaptor for recorder)				

● Included Accessories



● Optional Accessories



● DAR/PI Measurement

DAR Measurement (Dielectric Absorption Ratio)

DAR

DAR measurement are useful for instance when the PI is 2 or less even for new objects under test. In such cases, a min DAR value of 1.25 is required.

$$\text{DAR} = \frac{\text{Insulation resistance value 1 min. after start}}{\text{Insulation resistance value *15 sec. after start}}$$

DAR	1.4 or more	1.25~1.0	1.0 or less
Criteria	Best	Good	Bad

*User-Selectable 15sec. or 30sec. interval

PI Measurement (Polarization Index)

PI

PI is dependent on the type of insulation, influenced by moisture and it does not need to be temperature corrected.

$$\text{PI} = \frac{\text{Insulation resistance value 10 min. after start}}{\text{Insulation resistance value 1 min. after start}}$$

PI	4.0 or more	4.0~2.0	2.0~1.0	1.0 or less
Criteria	Best	Good	Warning	Bad

● Display of DAR/PI Value



Test Start



1 min. or later



10 min. or later



DISP Button

PI Value



DAR Value

At Insulation Measurement Ranges, after a certain time passes since a measurement is started, the display automatically shows DAR/PI values.

! Safety Warnings :

Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules may cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument and voltage rating marked on each instrument.

■ For inquires or orders :



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ISO9001:2008
APPROVED BY BUREAU VERITAS Certification

