

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 white 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 @0.5MΩ load	1mA to 1.2mA @1MΩ load	1mA to 1.2mA @2.5MΩ load	1mA to 1.2mA @5MΩ load	—
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	1000mA approx.(During measurement)				110mA approx.
Withstand voltage	5320V AC for 5 seconds				
Applicable standard	IEC 61010-1 CAT.Ⅲ 600V Pollution degree 2, IEC 61010-031, IEC 61326				
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(Extension prod), LR14(Alkaline battery size C)×8, 9159(Hard case), Instruction manual, Calibration certificate				
Optional	7168(Line probe with alligator clip), 8302(Adaptor for recorder)				

● DAR/PI Measurement

DAR

Dielectric Absorption Ratio

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

PI Measurement

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

DAR - - -

1 min. or later

DAR 0.24

10 min. or later

PI 3.16

PI Value

DISP Button

DAR 0.24

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



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● Included Accessories

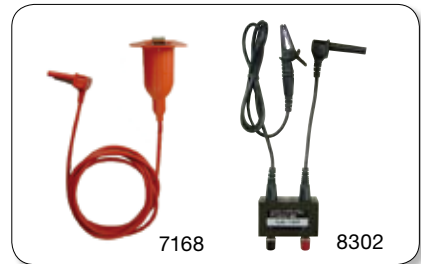


EVERYTHING YOU NEED ...

A full set of accessories is included :
HV Line probe, Earth and Guard cords,
Extension prod.

The instrument also comes in a robust hard case, a quick reference guide is attached to the case lid and it is supplied with a calibration certificate.

● Optional Accessories



7168

8302