

KEW 3125B

Digital High Voltage Insulation Tester

Robust & Ergonomic Design!

De Facto Standard High Voltage Insulation Testers!!



KEW 3125B

1TΩ

250V-5000V



KEW 3025A

100GΩ

250V-2500V



- **Insulation Resistance up to 1TΩ (KEW3125B)**
- **Short-Circuit Current up to 1.5mA**
- **Wide Test Voltage from 250V to 5000V (KEW3125B)**
- **Diagnosis Function of PI and DAR**
- **Newly-designed alligator clip**
- **It comes with a tough hard case**
- **Filter function reduces noise interference for obtaining stable measurement**
- **Large display with Bar Graph indication and backlight**
- **Live voltage warning**
- **Safety standard IEC61010-1 CAT IV 300V / CAT III 600V**

Made in Japan

KEW3125B / KEW3025A Specifications

* 3125B only

Insulation resistance					
Rated Voltage	250V	500V	1000V	2500V	5000V*
Accuracy	0.0 - 100.0MΩ	0.0 - 99.9MΩ 80 - 1000MΩ	0.0 - 99.9MΩ 80 - 999MΩ 0.80 - 2.00GΩ	0.0 - 99.9MΩ 80 - 999MΩ 0.80 - 9.99GΩ 8.0 - 100.0GΩ	0.0 - 99.9MΩ 80 - 999MΩ 0.80 - 9.99GΩ 8.0 - 100.0GΩ
	±5%rdg±3dgt	±5%rdg±3dgt	±5%rdg±3dgt	±5%rdg±3dgt	±5%rdg±3dgt ±20%rdg(100GΩ or more)
Short circuit current	1.5mA				
Output voltage	Accuracy	±10%	-10 - +20%	0 - +20%	
	Monitor	±10%rdg±20V			
Voltage measurement					
Measuring range	AC:30 - 600V (50/60Hz) DC:±30 - ±600V				
Accuracy	±2%rdg±3dgt				
Power source	DC12V : LR14/R14 x 8pcs				
Applicable standards	IEC61010-1, 61010-2-030 CAT IV 300V / CAT III 600V Pollution degree2, IEC61010-031, IEC61326-1, 2-2				
Dimension	177(L) x 226(W) x 100(D) mm (Hard case 380(L) x 430(W) x 154(D) mm)				
Weight	3025A:1.7kg approx. 3125A 1.9kg approx. (including batteries) 4kg approx. (including accessories)				
Accessories	7165A(Line probe:3m), 7264(Earth cord:3m), 7265(Guard cord:3m), 8019(Hook type prod), 9180(3025A Hard Case), 9181(3125B Hard Case), LR14(Alkaline battery size C) x 8, Instruction manual				
Optional	7168A(Line probe with alligator clip:3m), 7253(Longer line probe with alligator clip:15m), 8302(Adapter for recorder)				

Accessories



EVERYTHING YOU NEED.....



Diagnostic Insulation Tests

PI Polarization Index

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

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

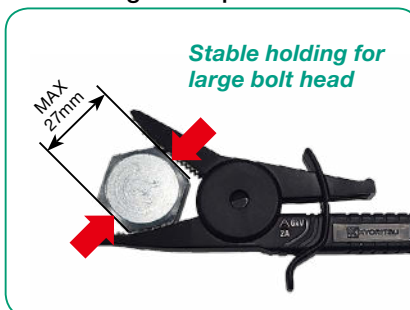
DAR Dielectric Absorption Ratio

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

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

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

New alligator clip



Optional



7168A
Line probe with
alligator clip(3m)



7253
Longer line probe with
alligator clip(15m)



8302
Adapter for recorder
(Output 1mV/1μA)

Selection Guide

MODEL	3025A	3125B	3126	3127	3128
Voltage range	250V/500V/1000V 2500V	250V/500V/1000V 2500V/5000V	500V/1000V 2500V/5000V	250V/500V/1000V 2500V/5000V	500V/1000V/2500V 5000V/10000V/12000V
Max measurement	100GΩ	1TΩ	1TΩ	10TΩ	35TΩ
Short circuit current	1.5mA	1.5mA	5mA	5mA	5mA
PI	✓	✓	✓	✓	✓
DAR	✓	✓	✓	✓	✓
SV/DD	—	—	—	✓	✓
Filter	✓	✓	✓	✓	✓
Capacitance	—	—	—	✓	✓
Memory/communication	—	—	—	✓	✓
Power source	LR14x8	LR14x8	LR14x8	Rechargeable lead storage Battery(12V)	Rechargeable lead storage Battery(12V)
Measurement categories	CAT IV 300V CAT III 600V	CAT IV 300V CAT III 600V	CAT III 600V	CAT IV 600V	CAT IV 600V
Dimension (mm) (L)x (W)x(D)	177x226x100	177x226x100	205x125x94	208x225x130	330x410x180

! 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 can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.

For UK inquires or orders :

KEWTECH

sales@kewtechcorp.com
03456461404
kewtechcorp.com

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

2-5-20, Nakane, Meguro-ku, Tokyo, 152-0031 Japan
Phone:+81-3-3723-0131
Fax:+81-3-3723-0152
E-mail:info-eng@kew-ltd.co.jp

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



In consideration of the environment, soy ink and recycled paper were used in this publication.

•The contents of this leaflet are subject to change without notice. KEW 3025A/3125A-1E Mar. 15 AD