



Quality and reliability is our tradition

KYORITSU

HIGH VOLTAGE INSULATION TESTER KEW 3025B / 3125B

Robust & Ergonomic Design!
De Facto Standard High Voltage Insulation Testers!!



KEW 3125B

1TΩ

250V-5000V



KEW 3025B

100GΩ

250V-2500V



- **Insulation Resistance up to 1TΩ (3125B)**
- **Short-Circuit Current up to 1.5mA**
- **Wide Test Voltage from 250V to 5000V (3125B)**
- **Diagnosis Function of PI and DAR**
- **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 IEC 61010-1 CAT IV 300V / CAT III 600V**

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

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KEW 3025B / 3125B 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 - 99.9GΩ 80 - 1000GΩ
		±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		IEC 61010-1, 61010-2-030 CAT IV 300V / CAT III 600V Pollution degree2, IEC 61010-031, IEC 61010-2-034, IEC 61326-1, 2-2				
Dimension		177(L) x 226(W) x 100(D) mm (Hard case 300(L) x 315(W) x 125(D) mm)				
Weight		3025B:Approx.1.7kg 3125B:Approx.1.9kg (including batteries) Approx.4kg (including accessories)				
Accessories		7165A(Line probe:3m), 7264(Earth cord:3m), 7265(Guard cord:3m), 8019(Hook type prod), 9203(3025B Hard Case), 9204(3125B Hard Case), LR14(Alkaline battery size C) x 8, Instruction manual				
Optional Accessories		7168A(Line probe with alligator clip:3m), 7253(Longer line probe with alligator clip:15m), 8302(Adapter for recorder)				

Accessories



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

Alligator clip



Optional Accessories



Selection Guide

MODEL	3025B	3125B	3127	3128
Voltage range	250/500/1000/2500V	250/500/1000/2500V 5000V	250/500/1000/2500V 5000V	500/1000/2500/5000V 10000/12000V
Max measurement	100GΩ	1TΩ	10TΩ	35TΩ
Short circuit current	1.5mA	1.5mA	5mA	5mA
PI	✓	✓	✓	✓
DAR	✓	✓	✓	✓
SV/DD	—	—	✓	✓
Filter	✓	✓	✓	✓
Capacitance	—	—	✓	✓
Memory/communication	—	—	✓	✓
Power source	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 IV 600V	CAT IV 600V
Dimension (mm) (L)x (W)x(D)	177x226x100	177x226x100	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 inquiries or orders :



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