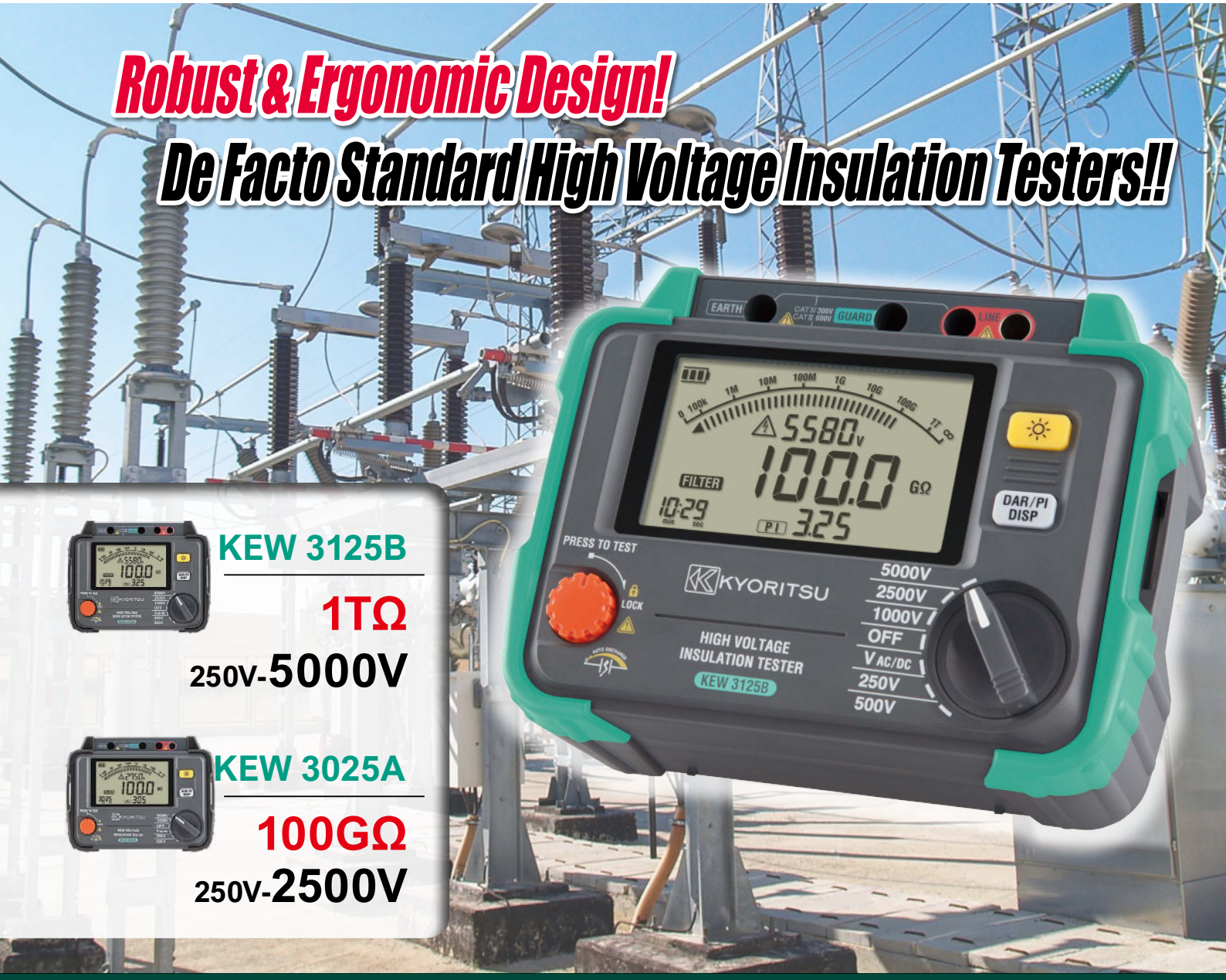
KEWTECH

Quality and reliability is our tradition

KYORITSU

KEW 3125B

Digital High Voltage Insulation Tester



- *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

KYORITSU ELECTRICAL INSTRUMENTS WORKS,LTD.
http://www.kew-ltd.co.jp

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 - 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			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(3125**B** 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(Adaptor 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

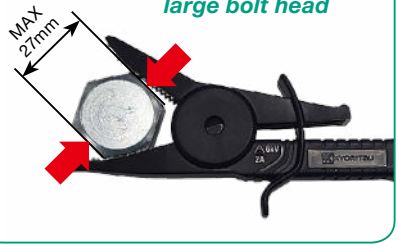
$$DAR = \frac{\text{Insulation resistance value 1 min. after start}}{\text{Insulation resistance value *15 sec. after start}}$$

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

Stable holding for large bolt head



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.

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

PRINTED WITH SOY INK

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