

Quality and reliability is our tradition.



ISO 9001/EN 29001/BS 5750
APPROVED BY BVQI

KYORITSU



Advanced Digital High Voltage Insulation Tester!

MODEL 3125



Features

- Wide range measurements from 500V to 5000V and up to 1000GΩ.
- Large digital display with Bar Graph indication and back light.
- Polarization Index measurement (PI).
- Timer measurement function.
- Indication of Output voltage and Discharge voltage.
- Auto-discharge function and Voltage output warning function.
- Auto power off and Battery Check.
- Safety standard IEC61010-1 CAT. III 600V



KEW MEG

MODEL 3125

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

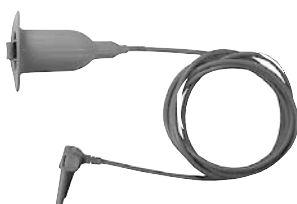
Specifications

Range	Insulation resistance				Voltage measu AC/DC V
	500V	1000V	2500V	5000V	
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	1.3mA approx.				—
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	About 1000mA(During measurement)				25mA approx.
Withstand Voltage	5320V AC for 5 seconds				—
Safety standard	IEC 61010-1 CAT. III 600V, pollution Degree 2				—
Power supply	DC12V : R14 × 8 pcs				—
Dimensions	205(L) × 152(W) × 94(D)mm				—
Weight	approx. 1.8kg				—
Accessories	LINE PROBE 7165 GUARD CORD 7164	ALKALINE BATTERY SIZE C(LR14×8PCS) HARD CASE : MODEL 9124	EARTH CORD 7166 PICKEL TYPE PROD 8019	INSTRUCTION MANUAL	—

Optional Accessories

MODEL 7168

- LINE PROBE WITH ALLIGATOR CLIP : 3000mm



MODEL 8302

- ADAPTOR FOR RECORDER (OUTPUT 1mV/1μA)
CONNECTOR SIDE : 200mm
ALLIGATOR CLIP SIDE : 1100mm



Polarization Index

Polarization Index is one of the factors to check the condition of insulation. The polarization Index is defined as the ratio between the resistance value in 10 minutes and the resistance value in 1 minute after switch is on.

Calculation formula :

Polarization Index = resistance value in 10 minutes (TIME2) / resistance value in 1 minute (TIME1)

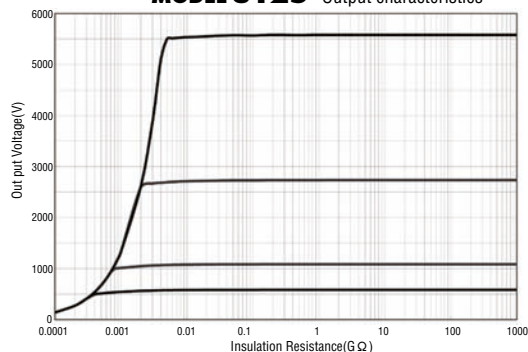
Setting interval is as follows.

TIME1 00:10~59:30 TIME2 00:20~60:00 (Remarks : 00:10 means 10 seconds)

Since polarization Index varies with moisture absorption regardless of the shape or size of insulator, it gives significant criteria to verify the insulation. Following table shows the criteria.

Polarization index	4 or more	4.0~1.5	1.5~1.0	1.0 or less
Criteria	Very good	Good	Dubious	Unsatisfactory

MODEL 3125 Output characteristics



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 inquires or orders :



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