

SG7808

Oil Dielectric Test Set with Integrated Control and Data Acquisition



For many electric equipments used in power system and enterprises, inner insulation is mostly oil-insulated. Oil dielectric strength test is one of the essential routine tests. SG7808 Oil Dielectric Test Set is the ideal testing device for oil dielectric strength. The test sets are fully automatic.

Testing of transformer oil with the SG7808 Oil Dielectric Test Sets has just become simpler. Samgor's newest development, the SG7808, includes an integrated control and data acquisition system in the same package. The new controller allows the user to quickly perform reliable tests regardless of whether it is from the standards or just a quick dielectric test. The test results are displayed on big liquid crystal display. An added feature with the printer option is the ability to print the results immediately.

Feature

- Type SG7808 is portable test set with the sample oil, controlled by microprocessor and a series of operation can be achieved such as voltage rise, hold, voltage fall, beating up, display, computation, and print. The test is elective.
- English Menu clue to operator through the big-screen LCD.
- Operator inputs brief command so that it will fulfill oil dielectric strength tests. If required, you can print out the result directly.
- Test methods are alternative between automatic and semi-automatic.
- The tester is very adaptable and can be used in lab, especially for outdoor measurement. It is easy to carry and has good anti-disturbance and can also be used under strong electro-magnetic conditions.
- The tester is equipped with protection unit such as over-voltage, over-current, and auto-restore, and can ensure safety to the operators under normal conditions.
- Step –up speed can be choosing according to standards.

Benefits

- **Multi-purpose** – because of its compact design it's easily useable in the field as well as in the factory.
- **Safe and Easy** – The interlocked HV section and the integrated controller allow your operators to test safely and easily.
- **Report Printing** – It is ability to print the results immediately
- **Alternative Voltage** – 0-60KV or 0-80kv can be chosen.

Applications

Testing of insulating liquids in:

- Transformers
- Bushings
- Switchgear
- Capacitors
- Hydraulics

Technical Specifications

Voltage:	AC220V±10%
Frequency:	50 Hz / 60Hz
Power:	<200W
Output:	0~60kV; 0~80kV (Alternative),0~100kV
Solution:	0.1 kV
Testing times:	6 (1~6 selective)
Oil Volume:	400ml
Distance between electrodes:	2.5 mm (gap is adjustable)
Step-up capacity:	1.5 kVA
Step-up speed:	1.0, 2.0, 3.0 kV/s (Adjustable)
Voltage aberration rate:	< 3%
Dimension:	310 X420 X360 (mm)
Weight:	22kg
Applied conditions:	
Ambient temperature:	0~+40°C
Relative humidity:	< 75%

For further information please contact:

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