

FOT-I-100A (0 ~ 100KV)

TRANSFORMER OIL BDV TESTER

THERMAL PRINTER AUTOMATIC PORTABLE TOUCH SCREEN CONTROL

■ Introduction



Automatic Insulating Oil Dielectric Strength Tester is also known as Oil Breakdown Voltage Tester or Oil BDV Tester.

Break-down voltage is measured by observing at what voltage, sparking string between two electrode immersed in the oil, separated by specific gap. low value of BDV indicates presence of moisture content and conducting substances in the oil.

There are a large number of electrical equipment in power system factories and mines. Its internal insulation is mostly oil-filled and insulated. The dielectric strength test of insulating oil is a must-test routine test item. In order to meet the needs of the rapid development of the power industry, our company has taken the lead in developing this FOT-I-A Series Fully Automatic Oil Dielectric Strength Test Set (Touch Screen Control Type).

■ Main Features

- 1) Controlled by single-chip microcomputer with large capacity, and works stably and reliably.
- 2) Wide range watchdog circuit in the instrument prevents the phenomenon of crash.
- 3) The oil cup of the instrument is made of special glass and polymer materials, which is cast in one time to prevent the occurrence of oil leakage and other interference phenomena.
- 4) The special high voltage terminal sampling design of the instrument go directly A/D converter avoid the error caused in analog circuit, and then the measurement result is more accurate.
- 5) This test instrument has the protection of over current, over voltage, short circuit and other functions, and has a strong anti-interference ability, good electromagnetic compatibility.
- 6) Portable structure, easy to move, indoor and outdoor use is very convenient.
- 7) Large-screen LCD with a backlight system inside, which can be clearly seen even at night.

8) With Standard RS232 interface and USB as optional.

9) The instrument is equipped with temperature, humidity and clock display functions, customized infrared oil temperature measurement is also available as option.

10) Various operation options. Instrument built-in GB/IEC standard and customized operation, which can adapt to various choices of different users.



Weight: 42kg



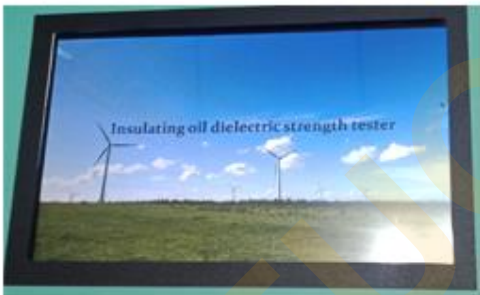
■ Technical Parameters

Type	FOT-I-A
Output voltage	0 ~ 100kV
Electrode Gap	Standard 2.5 mm
Display Mode	Large touch screen LCD English characters display
Booster capacity	1.5KVA
Error	0.2 kV/s
Measuring voltage accuracy	±(2% reading + 2 words)
Boost speed	0.5 ~ 5 KV/S (adjustable): (Increment every 0.5) 10 gears optional
Test times	1 ~ 6 time(s) (1 ~ 9 times optional)
Standing time	900S (0-9000 S optional)
Interval static time	300S (0-900 S optional)
Stirring time	15S (0-250S optional)
Power supply distortion rate	< 1%
Power Supply Voltage	AC 220V (1 ± 10%)
Power frequency	50 Hz (1 ± 10%)
Power consumption	< 200W
Applicable temperature	0C° ~ 40C°
Applicable humidity	≤ 85% RH
Overall dimension	650 × 470 × 410 (mm)
Weight	42 kg
Certificate	CE, ISO
Warranty	1 Year
Calibration Certificate	Factory Issued
Brand	FUOOTECH
Delivery time	7 days
Shipping Mode	By sea, air, courier (DHL, TNT, FEDEX, etc.)

■ More Details



- 1.Screen
- 2.Switch
- 3.Printer
- 4.Oil cup cover
- 5.High voltage safety mark
- 6.Appliance outlet
- 7.Ground terminal
- 8.232 interface
- 9.Temperature humidity sensor



■ Accessories



1



2



3



4

Number	Name	Quantity
1	Standard gauge	1
	Insurance tubes(3A)	2
	Stirring paddles	2
	Pair of tweezers	1
	Printing paper	1
2	Power cord	1
3	Ground wire	1
4	Oil cup	1