

FOT-I-80KV/100KV

TRANSFORMER OIL BDV TESTER

INTELLIGENT ☒ 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.

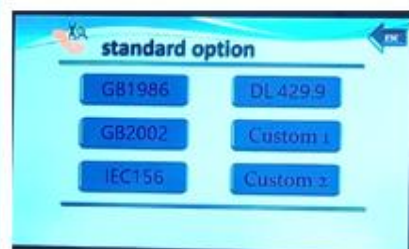


■ TECHNICAL PARAMETERS

Type	FOT-I-A
Output voltage	0 ~ 80kV or 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	430 × 390 × 370 (mm)
Weight	38 kg
Certificate	CE, ISO
Warranty	1 Year
Calibration Certificate	Factory Issued
Brand	FUOTECH
Delivery time	7 days
Shipping Mode	By sea, air, courier (DHL, TNT, FEDEX, etc.)

■ MORE DETAILS



■ 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

■ PACKING, DELIVERY, SHIPPING, PAYMENT TERMS





Payment

T/T L/C 支 Alipay™ WeChat Pay

WESTERN UNION MONEY TRANSFER ESCROW MasterCard VISA



CERTIFICATES



OTHER TESTING EQUIPMENTS YOU MIGHT BE INTERESTED IN

Part I: Oil Testers

- ✧ Transformer Oil BDV Tester
- ✧ Transformer Oil Trace Moisture Content Tester
- ✧ Transformer Oil Acidity Tester
- ✧ Transformer Oil Interfacial Tension Tester
- ✧ Transformer Oil Flash Point Tester (Open/Closed Cup)
- ✧ Transformer Oil Tan Delta Tester
- ✧ Transformer Oil DGA (Dissolved Gas Analyzer) Tester
- ✧ Transformer Oil Kinematic Viscosity Tester
- ✧ Transformer Oil Density Meter
- ✧ Transformer Oil Particle Counter
- ✧ Sf6 Gas purity and Decomposition Tester
- ✧ Portable Dew Point Meter

Part II: Transformer & HV Testers

- ✧ Transformer Load and No Load Loss Tester
- ✧ TTR Transformer Turns Ratio Tester (Portable/Handheld Type)
- ✧ Transformer DC Resistance Tester 1 ~ 100A
- ✧ Transformer Tan Delta and Capacitance Tester 0 ~ 12kV
- ✧ CT PT Analyzer
- ✧ SFRA Transformer Sweep Frequency Response Analyzer
- ✧ VLF Hipot Test Set 30 ~ 90kV
- ✧ Insulation Resistance Tester 0.25 ~ 30kV
- ✧ AC Hipot Tester
- ✧ DC Hipot Tester
- ✧ Circuit Breaker Contact Resistance Tester
- ✧ Grounding Earth Resistance Tester

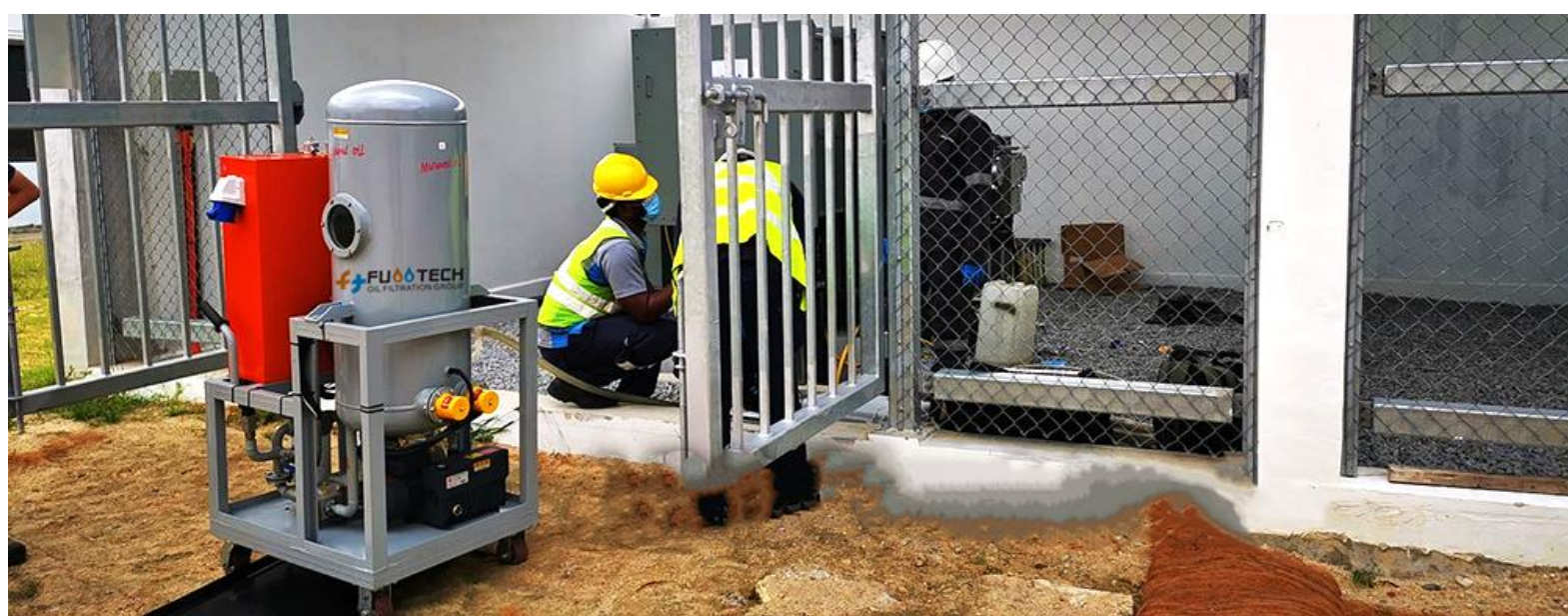
■ ZYD SERIES DOUBLE-STAGE VACUUM TRANSFORMER OIL FILTRATION MACHINE



Project cases



■ ZY SERIES SINGLE-STAGE VACUUM TRANSFORMER OIL PURIFIER



■ DAG SERIES DRY AIR GENERATOR FOR TRANSFORMER MAINTENANCE





Welcome to contact us for any inquiry and order !!!

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