



Introduction:

HD OTS100A insulating oil testers are fully automatic micro controller based system, completely self-contained, compact and portable giving smooth variable test voltage from 0 to 100Kv for testing the dielectric strength of insulating oil in accordance with all international standards like IEC 156/IS 6792/ASTM D 1816/ASTM D877/ UNE 21 specifications.

Description:

HD OTS100A insulating oil testers are fully automatic type and can be manually operated too.

- 1) IEC-156, IS 6792, ASTM D 877, ASTM D 1816, UNE 21.
- 2) Withstand Test A
- 3) Withstand Test B
- 4) 5 Minute Test

HD OTS100A insulating oil testers has a storage capacity of 100 test results which can be recalled and printed.

HD OTS100A insulating oil testers use big LCD for easy readability of all the BDV test results in one single screen.

The printer used is a plain paper one so the printing stays in good condition without being vaporized as in thermal paper print outs.

The cartridge and paper rolls are standard types which are used in many industries and easily available.

The cartridge and paper rolls can be easily changed.

HD ENGINEERING & SERVICES

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Oil BDV Kit: HD OTS100A

HD OTS100A series not only has all basic functions of an insulating oil tester but also has unique features that are seldom seen in similar products. For e.g. PROOF test A, PROOF test B, 5 Minute test, JOG mouse, JUMBO LCD to display all test data and has unique menu navigation for user friendly operation. OTSA series ensures high work efficiency and reliability in any tough environment.

Safety interlocks are provided on the test chamber.
Zero interlock protection to ensure operator safety.

RS 232 interface is very easy to use to communicate stored data which can be saved in word format.

Technical Specifications

Input Supply	220±10% Volts AC, 50 Hz, single phase.		
Test Voltage	Model: OTS100A : 0-100kV 100kV: 2kV		
Capacity	0.1 kV.		
Resolution	2%.		
Accuracy	≤10 millisecond.		
Time of Breakdown	0.5 to 5 kV adjustable per second ± 20%.		
Rate of rise of Voltage	Digital display on LCD screen.		
kV Indication	Digital display on LCD screen and on printout		
Test number indication	a) Date and time .		
User defined settings	b) Number of Tests: 1 to 9 times. c) Settling time: 0-999 seconds. d) Stirring time: 0-999 seconds. e) Waiting time: 0-999 seconds.		
Test cell with Electrodes	Type 'TC-2': 36 mm mushroom electrodes.		
Gap Gauge	2.5 mm		
Printer	Built in printer for printing results on plain paper.		
Construction	Light weight aluminum cabinet with removable cover, lock and lifting handles.		
Temperature Range	5 to 40° C.		
Relative Humidity	≤ 85% RH		
Working Altitude	< 1500 meters.		
Dimensions/weight (App)	: LBH : 75 x 31 x 50 cm. Weight: Net 45 kgs.		
Standard Accessories	1. Molded Oil test vessel with electrodes TC-2 type -1 number. 2. Magnetic magnum for stirrer. 3. Mains connecting cable. 4. Gap gauge 2.5mm. 5. PC Soft ware for RS 232. 6. Paper roll for printer, 1 no. 7. Spare fuses 2 nos. 8. Operating manual 1 no.		

Specs subject to change due to constant up-gradation

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