

## FULLY AUTOMATIC

- Tests as per international standards
- Auto mode
- 100 test result storage capacity
- LCD display
- Built in printer
- User Friendly RS 232 Interface
- Safety protection
- Accurate performance



INSULATING OIL TESTER

## 1 Test as per International standards

NMC insulating oil testers are fully automatic micro controller based system, completely self-contained, compact and portable giving smooth variable test voltage from 0 to 60, 75, 80, 90 or 100 kV for testing the dielectric strength of insulating oil in accordance with all international standards like IEC156/IS6792/ASTM D 1816/ASTM D877/ UNE 21 specifications.

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## 2 Auto mode

NMC insulating oil testers are fully automatic type.

- 1) IEC-156, IS6792, ASTM D 877, ASTM D 1816, UNE 21.
  - 2) Withstand Test A
  - 3) Withstand Test B
  - 4) 5 Minute Test
  - 5) User defined
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## 3 100 Test results storage capacity

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

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## 4 LCD display

NMC insulating oil testers use LCD for easy readability of the BDV test results.

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## 5 Built in printer

The printer used is a thermal paper print outs.  
The paper rolls can be easily installed by any person.

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## 6 User Friendly RS 232 Interface

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

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## 7 Safety protection




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

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## 8 Accurate Performance

The kit 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 Minutes test, LCD to display all test data.  
It ensures high work efficiency and reliability in any tough environment.

## Technical specifications

Input Supply	220±10% Volts AC, 50 Hz, single phase.			
Test Voltage	<b>0-60kV/Model: NMOT-60; 0-75kV/Model: NMOT-75 0-80kV/Model: NMOT-80 0-90kV/Model: NMOT-90; 0-100kV/Model: NMOT-100</b>			
Capacity	60kV:1.2 kVA;75kV:1.5 kVA;80kV:1.6 kVA;90kV:1.8 kVA;100kV:2 kVA;			
Resolution	0.1 kV.			
Accuracy	2%.			
Time of Breakdown	≤10 millisecond.			
Rate of rise of Voltage	0.5 to 5 kV adjustable per second ± 10%.			
kV Indication	Digital display on LCD screen.			
Test number indication User defined settings	Digital display on LCD screen and on printout a) Date and time . B) Number of Tests Settable from 1 to 9 times. c) Settling time Settable from 0-999 seconds. d) Stirring time Settable from 0-999 seconds. e) Waiting time Settable from 0-999 seconds.			
Test cell with Electrodes	Type `TC-1': 13 mm round electrodes. Type `TC-2': 36 mm mushroom electrodes. Type `TC-3': 25 mm flat disc electrodes.	 13 mm Round	 36 mm Mushroom	 25 mm Flat disc
Gap Gauge	2.5 mm, 2 mm			
Printer Construction	Built in printer for printing results on plain paper.			
Temperature Range	In light weight aluminum cabinet with removable cover, lock and lifting handles.			
Relative Humidity	5 to 40° C.			
Working Altitude	≤ 85% RH			
Dimensions / weight (App)	< 1500 meters.			
Standard Accessories	<b>37 x 38 x 37 cm. Weight: Net 36 kgs for DYOT-80</b> <b>40 x 41 x 41 cm. Weight: Net 42 kgs for DYOT-100</b>			
	<ol style="list-style-type: none"> <li>Oil test vessel with electrodes TC-1, TC-2 and TC-3 type</li> <li>Magnetic magnum for stirrer.</li> <li>Mains connecting cable.</li> <li>Gap gauge, 2 nos.</li> <li>PC Soft ware for RS 232.</li> <li>Paper roll for printer, 2 nos.</li> <li>Spare fuses 2 nos.</li> <li>Operating manual 1 no.</li> </ol>			

**Specifications subject to change due to constant upgradation**

## NEUTRONICS MANUFACTURING COMPANY

12-A, JOY COMPOUND, OPP. NEW JALARAM ELECTRIC & HARDWARE,  
M,AROL MAROSHI ROAD, ANDHERI (E), MUMBAI "C 400 059. INDIA.  
TELEFAX : 022 - 29201296. TELE : 022 - 29250745 E-mail : sales@neutronics.co.in

WEBSITE : www.neutronics.co.in