



ABN 43 064 478 842

➤ 231 osborne avenue clayton south, vic 3169
PO box 1548, clayton south, vic 3169
t 03 9265 7400 f 03 9558 0875
freecall 1800 680 680
www.tmgtestequipment.com.au

Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

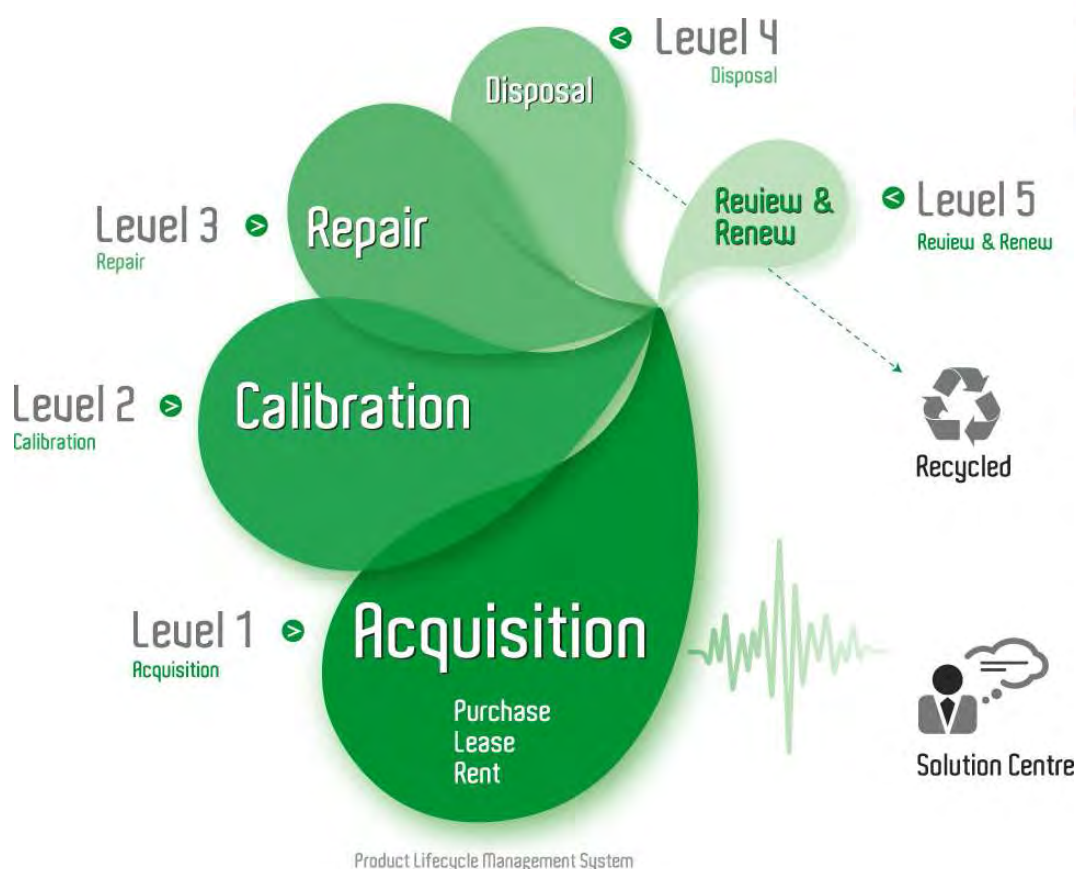
TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the “Click-to-Call” logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



Disclaimer:

All trademarks appearing within this PDF are trademarks of their respective owners.



INSULATING OIL TESTERS FULLY AUTOMATIC CU SERIES



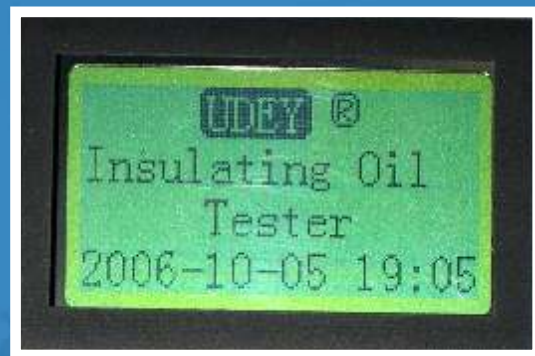
Introduction:

Insulating oil being an efficient cooling medium with high dielectric strength has been a recognized insulating medium in electrical equipments. Degradation of oil takes place due to acids, oxidation, sludge, gas and water absorption. A dielectric strength test shows the changes caused in oil due to these processes. 'UDEY' Series CU insulating oil testers are fully automatic microcontroller based testers completely self contained with built in printer. 'UDEY' insulating oil testers are the industry standard for over 47 years.

Udeyraj Electricals Private Limited - Mumbai

Features:

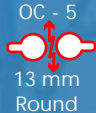

- Easy operation-Fully automatic test cycle along with average BDV display.
- Automatic change of sample number of test.
- Automatic calendar and time running even with power off.
- Recall and print last 99 test results stored for 100 years even with power off.
- Programmable: Number of tests, Settling time, stir time, and waiting time.
- LCD displays: Test status, HV rise, HV fall, BDV of previous test and test results.
- Tests to: IEC 156, IS 6792, JIS C2101, BS 5874, VDE 0370, GB-86 etc.
- Countdown display of time in 'Settling, Stir, and Waiting' modes.
- Built in printer.
- RS 232 interface (optional).
- Zero start safety and test chamber access interlock.
- Ergonomic design, completely user friendly-just 36 kg in weight.



System description:

The system is fully automatic and carries out tests according to the set or chosen menu like 'Number of tests, Settling time, Stir time and Waiting time'. System time, setting of test parameters, status and data is displayed on LCD. Audio beep is given after the test is complete and the results can be printed on built-in printer. The test results can be recalled for view

Technical Specifications:

Input Supply	220±10% Volts AC, 50 Hz, single phase.		
Test Voltage	Model: CU-80 (80 kV.)	Model: CU-60 (60 kV.)	Model: CU-100 (100 kV.)
Capacity	Model: CU-80: 1.6 kVA.	Model: CU-60: 1.2 kVA.	Model: CU-100: 2 kVA.
Wave form Distortion	≤ 3%.		
Accuracy	3%		
Time of Breakdown	≤10 millisecond.		
Rate of rise of Voltage	2 kV per second ± 20%.		
kV Indication	Three digit.		
Test number indication	One digit.		
User defined settings	a) Calendar, sample number B) Number of Tests Settable from 1 to 6 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 'OC-5': 36 mm mushroom electrodes. Type 'OC-7': 25 mm flat disc electrodes. Type 'OC-9': 13 mm round electrodes.	 OC - 5 13 mm Round	 OC - 7 36 mm Mushroom
Gap Gauge	2.5 mm		
Printer	Built in printer for printing results.		
Construction	In 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 (Apprx)	CU-80: 38 x 37 x 37 cm. Net 36 kg. / CU-100: 43 x 40 x 40 cm. Net 47 kg.		
Standard Accessories	1)Test cell type 'OC-07' 1 number. 2)Mains cord 1 number. 3)Paper roll 1 number. 4)Spare fuses 2 numbers. 5)Operating manual one number.		
Optional Accessories	Test cells: 'OC-5' or 'OC-9'. Gap gauge: 2 mm.		

Specifications subject to change due to constant up gradation

UDEY[®]

UDEYRAJ ELECTRICALS PRIVATE LIMITED.

212-A, Hind Saurashtra Indl. Est., Marol Naka, Mumbai-400 059. INDIA

Tel: + 91 22 6691 6181 Fax: + 91 22 6694 2787 E-mail: udeyraj@vsnl.com Website: www.udeyraj.com

