

**UDEY**<sup>®</sup>

# CU -series Fully Automatic INSULATING OIL TESTERS



## Introduction:

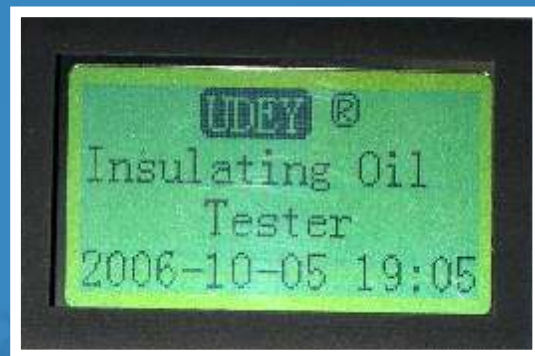
Insulating oil being an efficient cooling medium with high dielectric strength has been a recognized insulating medium in electrical equipments. Degradation of oil takes place due to acids, oxidation, sludge, gas and water absorption. A dielectric strength test shows the changes caused in oil due to these processes. *'UDEY' CU Series testers are fully automatic micro-controller based testers completely self contained with built in printer.* 'UDEY' insulating oil testers are the industry standard for over 50 years.

**Udeyraj Electricals Private Limited - Mumbai**

## Features:

# INSULATING OIL TESTERS: CU SERIES




- 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.
- 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 after the test. Further the last 99 test readings can also be recalled and printed.

## Technical Specifications:

Input Supply	220±10% Volts AC, 50 Hz, single phase.			
Test Voltage	Model: CU-60 (0-60kV.); Model: CU-75 (0-75kV.); Model: CU-80 (0-80kV.) Model: CU-90 (0-90kV.); Model: CU-100 (0-100kV.)			
Wave form Distortion	≤ 3%.			
Accuracy	2%			
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 '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			
Printer	Built in plain printer.			
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 (App)	43 x 40 x 40 cm. Weight: Net 27 kg for CU-60, other models Net 36 kg.			
Standard Accessories	1)Test cell type 'TC-2' 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: 'TC-1' or 'TC-3'.			

Specifications subject to change due to constant up gradation

Catalog No. 11/CU

# UDEY®

## UDEYRAJ ELECTRICALS PRIVATE LIMITED.

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

Tel: + 91 22 6691 6181/2 Fax: + 91 22 6694 2787 E-mail: info@udeyraj.com Website: www.udeyraj.com