

AUTOMATIC CAPACITOR TESTING SYSTEM MODEL AE - 1000RDN



Features

- Rotary Cam Type Indexing for 8 station testing.
- Pneumatically open spring loaded clamping contacts & jaws ensures perfect gripping of the capacitors for testing.
- Facility to handle capacitors with dimensional range of length from 30mm to 110mm & diameter from 16mm to 80mm.
- Up to 150 mfd capacitance value can be tested.
- Automatic control of the operations by Programmable Logic Controller with user friendly color Touch Panel.
- Quick change over parts in contacts & jaws for the capacitor length range from 30 to 50mm & from 50 to 110mm.
- Accurate & Reliable measuring equipment used for measurement of Capacitance & Tan D value ensuring high standard of testing.
- Fast measurement resulting in high Productivity.
- AC high voltage range upto 1000V and DC voltage upto 2500V.
- Protection in case of over/under voltage & over/under frequency.
- Automatic ejection of the capacitor on to the collection bin.
- User friendly colour touch panel with bin status, graphical representation of Capacitance & Tan D deviation and Test Report.
- Element Sorting as good and re - test components.

Technical Specification

Capacitor Type		Zinc sprayed cylindrical core type capacitor elements	
Capacitor Dimension		Length 30mm to 50mm & 50 to 110mm, Diameter 16mm to 80mm	
Station 1	Loading/AC Pre-voltage 20V, 30A	Station 5	AC High Voltage Discharge & Short
Station 2	DC 100% Voltage	Station 6	Cap & Tan-D measurement
Station 3	DC Discharge	Station 7	Good Eject
Station 4	AC High Voltage	Station 8	Retest Eject
Test Voltage		1000V AC adjustable through variac & monitored on Digital Voltmeter.	
Discharge		Rapid Discharge through Resistors & Brush and Shorting of capacitors before capacitance measurement.	
LCR Contact Pins		Spring Loaded Pins / 4 terminal Kelvin.	
Component Clamping		Pneumatically open spring loaded Brass contact arrangement.	
AC Testing Equipment		Series Resonance control at AC Power Source.	
LCR Measuring Equipment		Capacitance Meter LCR 2015 with basic accuracy of 0.1%, Test Frequency of 1kHz, LCD display for measurement results and test conditions with RS232 communication	
Safety Measurement		Safety enclosures to testing area for Operator Safety.	
Measurement Frequency		100Hz or 1KHz Selectable.	



General Specification

Floor space : 1585 x 1140 x 1850 mm (W x D x H)
 Machine weight : 800 Kgs (Approx.).
 Power supply : 415V AC, 50Hz, 3 phase, 6 KW (Nominal).
 Air supply : Pressure - 6 Bar, Consumption - 6cfm.

NOTE: We reserve the right to modify above specifications at any time. Please confirm your specification before ordering.