

ELECTROLYTIC FINISHED CAPACITOR TESTING SYSTEM MODEL EFCTS - 3100



Features

- ❑ EFCTS is designed for testing Finished Electrolytic Capacitors ranging from 100 micro farads to 1.5 farads at the voltage Up to 600V DC.
- ❑ Rotary Cam Type Indexing for 12 station positioning.
- ❑ Pneumatically operated Spring loaded V block Delrin fixtures ensures perfect gripping of the capacitors for testing.
- ❑ The whole assembly is operated by rotating the index table, thereby testing the capacitor through pneumatically operated Spring - loaded brass contacts that make contact with the Capacitor Terminals.
- ❑ Automatic control of the operations by programmable Logic Controller with user friendly color Touch Panel.
- ❑ There are 4 self illuminating indicators, in which green indicator illuminates for Good Capacitor, Orange indicator illuminates for Tan D/ ESR fail Capacitor, Blue indicator illuminates for value fail capacitor and Red indicator illuminates for LC fail.
- ❑ DC power supplies of 200V/6A and 600V/2A (with 485 communication) are integrated in this machine for Charging and Polarity check operations.(Polarity check at station 2 is tested at the pre set voltage through 200V/6A power supply and for charging further set voltage 600V/2A power supply is used.)
- ❑ Precision Graphic LCR Meter for measuring the capacitance and Tan Delta values of electrolytic capacitor.
- ❑ The Graphical representation of Capacitance and Tan D value is available on HMI screen.
- ❑ For additional operator safety light curtain sensors are installed to stop the indexing operation if sensed by object/operator's hand at loading station while machine is running

Technical Specification

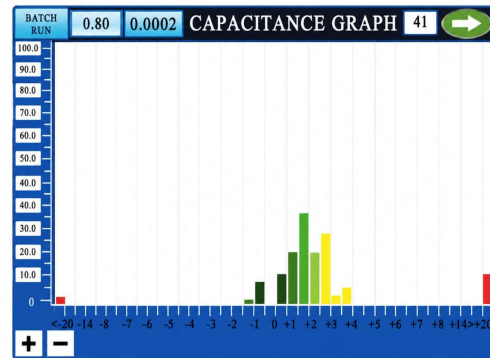
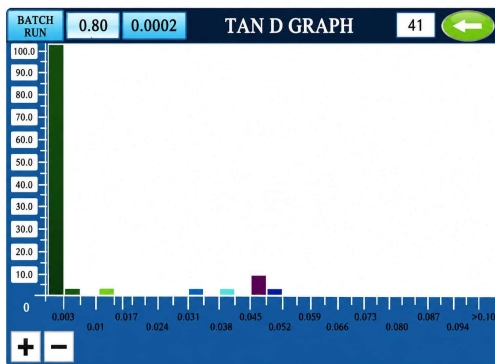
Testing Components	Electrolytic Capacitors.
Capacitor Length	Min. 50mm to max. 240mm
Capacitor Diameter	Min. 35 Dia to Max. 100 Dia
Capacitor Range	100mfd to 1500,000mfd
Testing Station Specification	
Station 1	Component Loading and unloading.
Station 2	Polarity Check/Charge voltage check and discharge.
Station 3	LC Pre Charge - 1
Station 4	LC Pre Charge - 2
Station 5	LC Pre Charge - 3
Station 6	LC Pre Charge - 4
Station 7	LC Pre Charge - 5
Station 8	LC Pre Charge - 6
Station 9	LC Measure
Station 10	Discharge - 1
Station 11	Discharge - 2
Station 12	Safety Regenerative Voltage Discharge &LCR Measure
Indexing Type	Cam Indexing type Rotary indexing driven by AC motor controlled by AC drive.
Loading/Unloading of Components	Manually (By hand)
Contact pins	Pneumatically operated spring-loaded brass contact.
Component Clamping	Delrin V block Jaws.
DC Testing Equipment	Regulated DC power supply 600V/ 2A for charging and 200V/ 6A for Polarity Check.
HMI Screen	10" (inches)
Measuring Equipment	Precision Graphic LCR Meter Model LCR-2026 (20Hz to 300kHz),U2829A
Safety Enclosure	Dust protection Enclosure for Safety and High Quality product (Optional)



Capacitor Voltage & Capacitor Range

Voltage	Capacitor
40v	1,500,000 μ f
63v	2,30,000 μ f
80v	1,00,000 μ f
250v	33,000 μ f
400v	23,000 μ f
450v	19,000 μ f
600v	4700 μ f

Graph



General Specification

- Power supply : 230V AC, 50Hz, Single Phase/As per customer requirement.
- Air supply : Pressure - 6 Bar, Consumption - 8cfm.
- Floor space : 1600mm x 1600mm x 1950mm (L x w x H)
- Machine weight : 1000Kgs (Approx.)

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