

# Finished Capacitor Test System

Model –FCTS100



Suitable for L-type, U-type terminal & wire type AC capacitors with PP can of max Ø60mm and 300mm length including wire. Testing capacitor is to be loaded manually, Job will be transferred to the next station, low voltage 100V AC, 10 A, will be applied in station 2. HV test done in the station 3, Discharge through resistor will be done in station 4, direct discharge done at station 5, value and tan-d measurement will be done in station 6. Good capacitor will be sorted in station 7, Reject capacitor will be sorted in station 8.

## Technical specification: FCTS100-8S (Without BDV Meter)

**System structure:** 8 stations component holders with individual Electrical contacts.  
Ac power supply with switch selectable different voltage up to 100V AC in 1st stage and up to 1000VAC in 2nd stage .

### System functions:

**AC HT source:** :1st stage up to 100VAC,  
:2nd stage up to 1000VAC, switch selectable with resonant clearing suitable for maximum 100 Mfd.

### Transformer tapping

Selector 1:-100V, 200V, 400V,600V and 800 Selector  
2:-25V, 50V, 75V, 100V, 125V, 150V, 175V and 200V

Output Voltage=Selector 1+selector 2.

### Reactor Tapping

Selector 1:-20Mfd,40Mfd,60Mfd and 80mfd  
Selector 2:-3Mfd,6Mfd,9Mfd,12Mfd,15Mfd and 18Mfd  
Equivalent Inductive reactance =Selector 1+Selector 2



Current Indication in HT source;	:At transformer Primary, with digital indication :At Load point, with digital indication
Voltage Indication in HT source	:digital voltmeter
Capacitance Meter & Dissipation factor meter	:Tongui chaina make with led display.
Test station description	<ol style="list-style-type: none"> <li>1. component loading.</li> <li>2. 1st stage Ac voltage test, 50V or 100V Ac , Selectable</li> <li>3. 2nd stage Ac high voltage test up to 1000VAC Switch selectable in steps of 25V</li> <li>4. discharge through resistor</li> <li>5.direct discharge</li> <li>6.Value and tan-d measurement</li> <li>7. Good capacitor sorting</li> <li>8. Reject capacitor sorting</li> </ol>
Index Mechanism	:Globoid Index gear box with index rotation time 0.5sec
<b>Testing Capacitor specification</b>	
Length :	:up to300mm including wire length& Suitable for L and U Terminal
Diameter	:Ø16 - 60 mm
Value	: 1Mfd-100 Mfd
Terminal type:	: L and U type and
Contact jaws:	: Brass material with strait line nurle
Production	: 15-20 pieces/min.
<b>Power requirements</b>	
For controls	: 1ph, 230V±10V, 50Hz, 1kw (online ups recommended)
For AC HT source	: 2ph, 415V±5% 50 Hz, and 6kw
<b>Compressed Air</b>	: Consumption 3Cfm at 6 bars level.

Note: - Dry and filtered air must be supplied.