



SIVA INSTRUMENTS

LCR Comparator Model :LCO-2



Introduction

The Component Comparator Model LCO-2 is specially designed for high speed sorting of resistors, capacitors and inductors. The equipment is equally suitable for both component manufacturers and bulk consumers for production, inward inspection and quality assurance testing requirements.

The Model LCO-2 uses a low level, 1 KHz test signal and bridge principle for measuring percentage deviation. In addition to percentage deviation a phase detector is used to measure tand for capacitors. Four ranges of 1%, 2.5%, 10% & 20% FSD for deviation and single range of 1% (0.01) FSD for tand is provided. The electronic go-no go system is the regular features of model LCO-2. These features makes it a versatile, high speed component comparator. A speed of 1500 pieces per hour even by unskilled operator is normal. The equipment is immune to short circuits, wrong selection of ranges, voltage fluctuation and mishandling which is likely to occur during use by unskilled operator.

Technical Specifications

Tolerance Range & Resolution	<u>F.S.D</u>	<u>Resolution</u>
Accuracy $\pm 1\%$, \pm Resolution	$\pm 1\%$	0.02%
	$\pm 2.5\%$	$\pm 0.05\%$
	$\pm 10\%$	0.40%
	$\pm 20\%$	1.00%
Tan d Accuracy $\pm 1\%$, \pm Resolution	1% (0.001)FSD with 0.02% (0.0002) resolution.	
Component Range	R-5 ohms to 20 meg C-20 pf to 10 uf L-2 mH to 100 H	
Test Frequency (Accuracy $\pm 2\%$)	1KHz	
Indication	120mm Taut Band Meter for % deviation. 100mm Taut Band Meter for tand A3 Lamps Go-No Go System	
Power	230 VAC $\pm 15\%$, 50 Hz, 30 VA	
Dimensions	420 \times 270 \times 225mm	
Weight	Less than & 7 Kgs	

SIVANANDA ELECTRONICS also offers C & Tan delta Bridge with High Voltage Power Supply upto 12KV. , SF6 gas filled Standard Capacitors 100 pf/1000 pf upto 20 KV. , Oscillographic Null Detectors, High Voltage Insulation Testers upto 5KV (Solid State), Precision Current Transformers for range extension of C & Tan D Bridge etc. For detailed information & product catalogue please write to us.

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