

4762

High Precision Current Range Extender (Current Comparator)

This electronically controlled current transformer is specifically designed for current range extension in capacitance measurements. It has divider ranges of 1:10 and 1:100.

The special transformer is accommodated inside a portable casing with all terminals on the top panel.

Features & Benefits

- ▶ Especially suitable for range extension to measurement of high capacitances.
- ▶ Very wide operating current range
 $I_{max} : I_{min} = 4000 : 1$
- ▶ Very accurate measurement, even with heavy burdens
- ▶ Negligible transformer error eliminates calculation of measured C and $\tan \delta$ correction factors.



Technical Specifications

Current Ratio	1 : 10	1 : 100
Min. primary current	10 mA	100 mA
Max. primary current	40 A	400 A
Min. secondary current	1 mA	1 mA
Max. secondary current	4 A	4 A
Burden	Max. 1 Ω	
Current error	< 0.002 %	
Phase angle @ burden < 0.1 Ω	< 0.05 min or < 1.5×10^{-5} radian ($\tan \delta$)	
Phase angle @ burden 1 Ω	< 0.15 min. or < 4×10^{-5} radian ($\tan \delta$)	
Frequency Range	45 to 65 Hz	
Dimension LxWxH	305 x 180 x 255mm (12 x 7.1 x 10")	
Weight	9.5 kg (20.9 lbs)	
Mains	230 or 115 VAC , 50/60 Hz	

Scope of Supply

Current Comparator 4762 (115 or 230V type → specify in order),
Mains cable

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