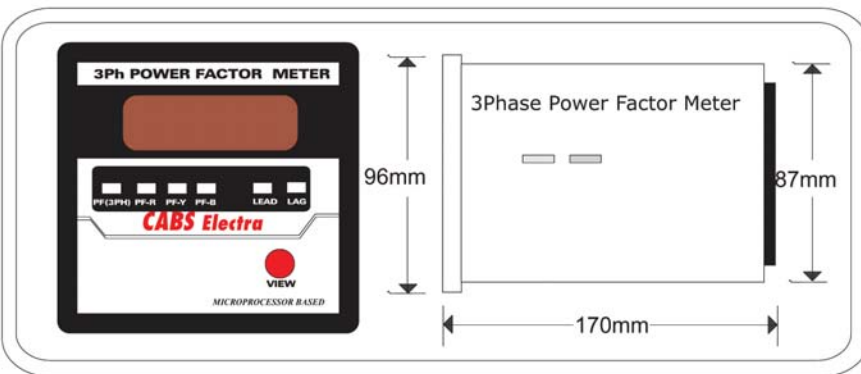


INTRODUCTION

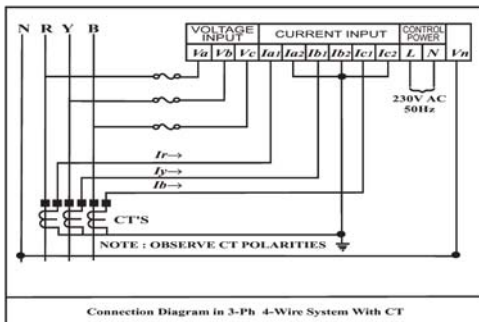
The CE 30* series of Power Factor meters are microprocessor based instruments that measure the Power Factor of a leading or lagging Load current. The power factor is measured on a four quadrant basis depending on the nature of the load and the direction of power flow. These meters are suitable for direct line applications or for use in a HV system in conjunction with suitable PTs having a 110V secondary. The meter functions by digitizing current and voltage input signals and computing the Power factor from digitized samples. The measured power factor is then displayed in a 3-digit LED display on its front panel. A minimum of 10% or full load current is required for proper meter operation



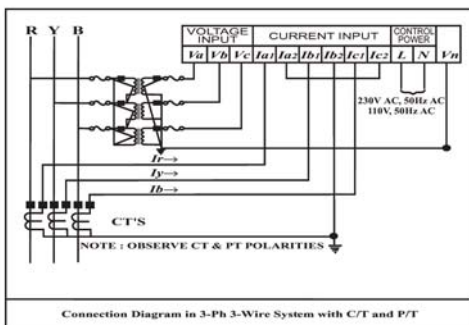
TECHNICAL SPECIFICATIONS

Input Impedance	0.002 ohm for current circuit 1 Meg. ohm for voltage circuit
Control Power	230 Volt AC $\pm 10\%$, 50/60 Hz, 3VA
Voltage Input	250 V Max phase to neutral at any voltage terminal
Current Input	7A Max continuous at any current terminal
CT secondary	5 Amp or 1Amp (on order)
Environmental	
Operating Temperature	0°C to 70°C
Storage Temperature	- 20°C to 85°C
Relative Humidity	95%
Dielectric	2 KV for 1 minute

CONNECTION DIAGRAM :

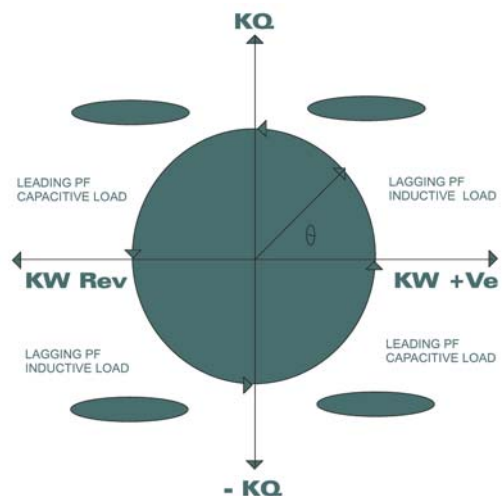


Connection Diagram in 3-Ph 4-Wire System With CT



Connection Diagram in 3-Ph 3-Wire System with C/T and P/T

MODEL	RANGE	SYSTEM VOLTAGE	ACCURACY	RESOLUTION
CE 0304P	0.03 LAG to 0.03 LEAD	415V, 3Ph, 4-Wire with CT,	± 0.02 of reading	1% of full SCALE
CE 0303P	0.03 LAG to 0.03 LEAD	HV System with CT & PT	± 0.02 of reading	1% of full SCALE



*Technical Specifications & Appearance are subject to change without prior notice