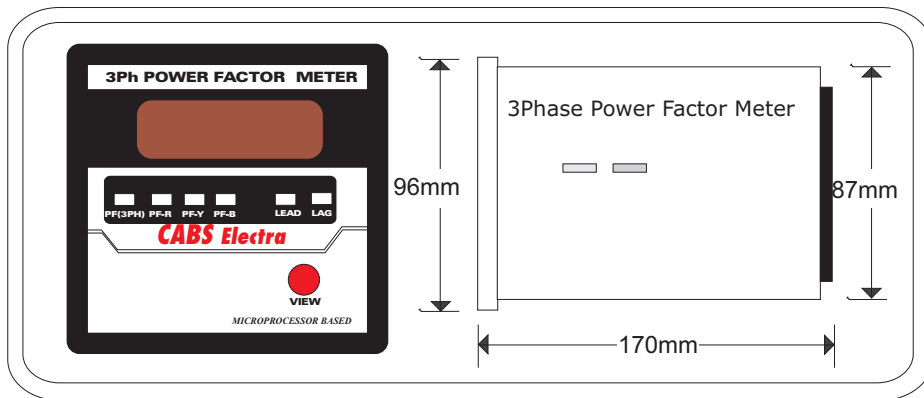


Microprocessor Based

DIGITAL 3PHASE POWER FACTOR METER

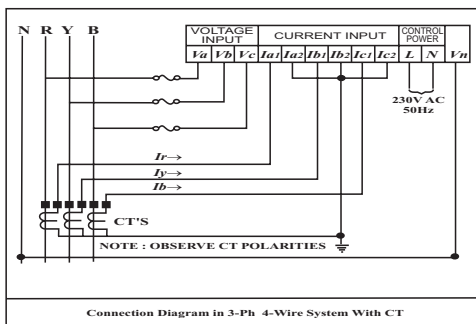
The CE 30** series of Power Factor meters are microprocessor based instruments that measure the Power Factor of a leading or lagging Load current. The power factor is measured on a four quadrant basis depending on the nature of the load and the direction of power flow. These meters are suitable for direct line applications or for use in a HV system in conjunction with suitable PTs having a 110V secondary. The meter functions by digitising current and voltage input signals and computing the Power factor from digitised 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.



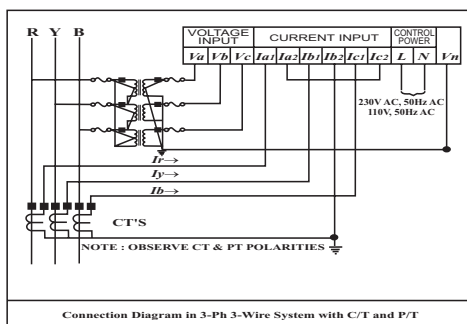
TECHNICAL SPECIFICATIONS

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 :

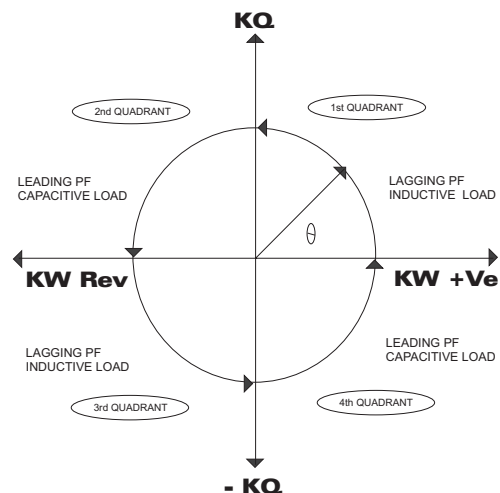


Connection Diagram in 3-Ph 4-Wire System With CT



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



Specifications are subject to change without notice

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