

# Power Analyzer (FTCPA)



## Selection Chart

- State of Art Microcontroller Based Design.
- 4 Line Ultra Bright Red LED display to show phase wise & System Parameters on same page.
- Site Programmable CT & PT Ratio.
- True RMS measurement.
- Auto Scrolling Facility.
- Password protection
- EEprom retains Energy Parameters on power fail.
- Monitors Import & Export Energy.
- Computer Interface ( RS 485)
- Pulse Output for PLC / SCADA interface
- Optional: Data Logging of all Parameters with Date & Time stamp ( site programmable logging time interval).

## Application

- Control Panel
- Distribution Systems
- Generator Sets
- Motor Control
- Test Bench
- APFC Panel
- Energy Management
- Process Control & SCADA

## PARAMETERS

- Volts : L - L, L - N ( Per Phase & Avg.)
- Amps : Per Phase & summation
- Frequency : System
- Power Factor : Per Phase & Avg
- KW : Per Phase & Summation
- KWh : Import, Export & Summation
- KVAh : Capacitive & Inductive
- KVAh : Total
- KVA : Per Phase & Summation
- KVAr : Per Phase & Summation

## Advantages

- To caution on the Extra Energy Consumption
- To identify inefficiency of Machine / Man
- Reduce Panel Space, Wiring , Installation Time
- Scale User adjustable reduces inventory

## Selection Chart

System	3 Phase 4 Wire / 3 Phase 3 Wire / 1 Phase
Aux. Supply	90 - 270 VAC, 50/60 Hz / DC
Burden on Aux.	< 4 VA
Voltage Input	110 / 415 / 440 VAC ( L -L) 500 Vmax
Current Input	1 Amps / 5 Amps
Burden on CT	< 0.2 VA
Temp	0 - 55 °C
Humidity	< 95% RH ( non condensing)
Weight	350 gms
Repeatability	± 0.5%
Dimension	96 x 96mm Depth ( behind bezzel) : 80 mm Panel Cut out : 92 x 92 mm
Accuracy	Voltage : 0.5 % of FS ± 2 Digit Current : 0.5 % of FS ± 2 Digit Frequency : ± 0.2 Hz
Resolution Voltes	Voltes : 1V Hz : 0.1 Hz
	Amps : 0-99:0.1 A, 100-999:1A, >1000:0.01KA
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