Power Quality Monitoring System

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Power Quality Monitoring System

Monitor your Electrical System on your Smartphone!

Watch Operating Voltage, Current, and Power draw in Realtime!

Detect fault conditions such as breaker trips, brownouts, and overvoltage!

View all the information from your smartphone via Bluetooth!

*For US Market only*
Power Quality Monitoring System

Specifications

• Cost
  • Sales Price: $400, Component Cost: $120, Assembly & Test Costs: $20

• Environment
  • For indoor and outdoor (enclosed) applications
  • Operating Temp Range: Functions from –20°C (-4°F) to 55°C (131°F)
  • Operating Humidity Range: Up to 95%

• Power Input(s)
  • Residential AC Power: 102VAC to 135VAC

• Major Functions, Quantities Measured, Displayed
  • Measure AC Line Voltage @ +-1% Accuracy
  • Measure AC Line Current @ +-1% Accuracy
  • Display Power Consumption
  • Display Power Factor of System
  • Voltage Sag detection
  • Undercurrent detection
  • Bluetooth Connectivity
Power Quality Monitoring System

Block Diagram

Block Ownerships:
- Block 1 – Yupheng X.
- Block 2 – David X.
- Block 3 – Anthony S.
- Block 4 – Troy S.