

- c. Capable to detects voltage based disturbances
- d. Interface capability with PLC/RTU/Circuit breaker
- e. Provide load shading capabilities
- f. Provide interface with Power Factor Correction Control equipment
- g. RS-485 port
- h. Modbus communication protocol
- i. DNP3.0 Communication protocol
- j. Web enabled Ethernet capability
- k. Measurement of Harmonics
- l. Monitoring of disturbances in the power supply network
- m. Continuous sampling at 128 times per cycle
- n. Trending analysis for historical data collection
- o. Sequence of events

1.3.17.2 Measurements

- A. The following parameters shall be displayed on the LCD:
 - a. RMS current of each phase
 - b. RMS voltage L1-L2-L3-N
 - c. Average System voltage (V_{av})
 - d. Average system current (I_{av})
 - e. Real Power (KW)
 - f. Accumulated energy consumption KWH reading
 - g. Reactive Power (KVA_r)
 - h. Apparent Power (KVA)
 - i. Power Factor ($\cos \phi$)
 - j. Peak demand
 - k. Frequency (HZ)
 - l. Temperature (T)