

Specifications for Ring Feeder Power Quality Analysers

Typical uses might be:

- Ring feeders or RMUs

When choosing a Power Quality Analyser, check how the vendor's product specifications compare this this suggested set of minimum requirements for a Power Quality Analyser.

- Operating temperature range of -25°C to $+70^{\circ}\text{C}$.
- Circuit boards to be tropicalised.
- Enclosure rating of....IP52 or better.
- Industrial Grade Components
- Exceed 3 years Manufacturers Warranty
- Australian "C" Tick Approval
- Backlit white LCD Display Screen
- 110 degree or greater viewing angle
- Metal case
- Panel mount 96mm x 96mm
- IEC 62053-22 Class 0.2S accuracy for KWH (1% to 120% of In.)
- Starting Current less than 0.1% of In.
- 4MB or more of on board memory
- Neutral Current (I4)
- VLN and VLL per phase and average
- Current per phase and average
- Frequency
- KW per phase and total
- KVAR per phase and total
- KVA total
- PF per phase and total
- KVAH
- KWH import/export
- KVARH import/export
- Demands and TOU
- Wave form recording of 256 Samples per cycle
- 63rd Individual Harmonic on board and 512th by software
- Harmonic Power and Energy to 63rd
- SOE and Min/Max log
- PQ log for Sags and Swells, Transients
- 1 x Ethernet (100BaseT or 100BaseFX) and 2 x optically isolated RS485 ports
- Modbus RTU, Modbus TCP and Ethernet Gateway protocols
- Battery backed real time clock
- V and I Unbalance
- V and I THD
- 6 DI (self excited) and 3 DO, 1 Relay Output

