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Specifications for Kiosk Subs or building Master Switch Board Metering Devices

Typical use might be...kiosk or pad mount subs, building incomers and feeders for asset and/or energy monitoring.

These meters shall meet the following requirements.....

- Operating temperature range of -25°C to $+70^{\circ}\text{C}$.
- Circuit boards to be tropicalised.
- Easy installation with DIN rail mounting, no tools required
- Industrial Grade Components
- Exceed 3 years Manufacturers Warranty
- Australian "C" Tick Approval
- IEC 62053-22 Class 0.5S accuracy for KWH (1% to 120% of In.)
- Starting Current less than 0.1% of In.
- 8MB or more of on board log memory
- 3-phase Voltage
- 6 Current Inputs and 3 RTD Inputs OR
- 9 Current Inputs
- VLN and VLL per phase and average
- Current per phase and average
- Frequency
- PF
- 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 Max. Demands
- V and I THD
- Status monitoring, SOE log
- 4 DI (for T/F alarms, etc.)
- Battery backed real time clock
- Optically isolated RS485 port
- Modbus RTU protocol
- CET PMC-509 or equivalent

