

SPECIFICATIONS - SPC PRO 2

GENERAL:

- **Input Channels:**
 - 1 X Voltage via pluggable power cable
 - 3 X current via integral flex type CTs
- **Ranges:**
 - 1 Voltage range: 230VAC +/- 15% 50-60Hz
 - 3 Current ranges: 2-20A, 20-200A, 200-2000A Fully auto-ranging
- **Dimensions:**
 - Unit: L=183mm H=41mm W=120mm (Excluding CTs)
 - Flex CT diameter: 150mm
 - Flex CT length: 450 mm
 - Flex CT cable length: 1.8m
- **Protection level: IP30**
- **Case: ABS**

SERVICE CONDITIONS:

- - Operating Temperature: -20 to 50 Deg C
 - Humidity; Max 80% relative non-condensing

POWER SUPPLY:

- - 230VAC External
 - Li-ion internal battery
 - Battery life: Approx 3 weeks logging (fully charged)
 - Battery Charging: Integral charger from mains connection

MEASUREMENT:

- - Technique: Digital Sampling
 - Sample rate: 1.6kHz
 - Update rate: 1 second – stored to cache

DATA STORAGE/DOWNLOAD:

- - 1 X Voltage, 3 X Current, 3 X Phase Angle stored memory. Stored value is the average of all cached readings since previous store.
 - Memory capacity: 200,000 records
 - Survey length at 30 second storage: 10 weeks
 - USB Download to PC & USB Flash Drive (Memory Stick)

ACCURACY:

- **Voltage:**
 - 0.5% of measurement +/- 2.0V
- Current:**
 - 2-20A = 0.5% of measurement +/- 0.5A
 - 20-200A = 0.5% of measurement +/- 2.0A
 - 200-2000A = 0.5% of measurement +/- 5.0A
- kWh (in software) = < 2% typical