

SPECIFICATIONS - SPC PRO

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=200mm H=80mm W=125mm (Excluding CTs)
 - Kit: L= 300mm H= 150mm W= 300mm
 - Flex CT diameter: 150mm
 - Flex CT length: 4500 mm
 - Flex CT cable length: 1.8m
- **Protection level: IP55 (lid closed) Excludes power cable connection**
- **Case: Peli ABS**

SERVICE CONDITIONS:

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

POWER SUPPLY:

- - 230VAC External
 - 3.7V mAH Li-ion internal battery (2550mA Hours, 13W)
 - Battery life: Approx 3 weeks logging (fully charged)
 - Battery Charing: 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: 4MB – 65000 records
 - Survey length at 1 minute storage: 45 days
 - USB Download to PC

ACCURACY:

- **Voltage:**
 - 0.5% of measurement +/- 1.0V
- Current:**
 - 1-20A = 0.5% of measurement +/- 0.1A
 - 20-200A = 0.5% of measurement +/- 1.0A
 - 200-2000A = 0.5% of measurement +/- 2.5A
- kWh (in software) = < 1% typical

SPECIFICATIONS - SPC PRO CONTINUED

STANDARDS:

- **Electricity Safety:**
 - Unit: IEC1010 600V CAT III 300V CAT IV
 - Flex CTs: IEC1010 1000V Cat III

SOFTWARE:

- **PowerPackPro:**
 - Requires min: Pentium III with SVGA.
 - Windows XP Pro, Vista, W7