



PRODUCT UPDATE NEWSLETTER

CHK Power Quality is pleased to announce its product offerings tailored for the Power Quality market.

Power Quality Analysers

SUIN SA2100 THREE PHASE POWER QUALITY ANALYSER

The **SUIN SA2100** is a comprehensive and cost effective instrument ideally suited for the electrical trades toolbox and intended to monitor your electrical supply and diagnose Power Quality issues on-site and in real-time. It is battery operated and therefore offers the flexibility of a handheld multimeter.

FEATURES:

- Safety: CAT III 1000V / CAT IV 600V
- Standards: IEC61000-4-30 (2008) S class EN50160 (2007)
- Single-phase 2 W / Single-phase 3 W / 3-phase 3 W / 3-phase 4 W
- Monitors four (4) voltages and currents
- Display: Run Chart, Bar Chart, Vector Graphic, Waveform, Event List, Readings
- Harmonics and inter harmonics, flicker, transient capture, three-phase unbalance (voltage and current), dips and swells, voltage rapid change, and interruption
- LAN interface PC can keep real-time remote communication
- Built-in 8G memory card, USB port, LAN port for real-time remote control functionality and data download



SUIN SA2100 Three Phase Power Quality Analyser



**GRIDSENSE POWERMONIC, PM45
Three Phase Power Quality Analyser**

GRIDSENSE POWERMONIC POWER QUALITY ANALYSER

The **GRIDSENSE POWERMONIC** range consists of the PM25, PM35 and PM45 analysers. The Powermonic was designed in consultation with and for utility customers. The Powermonic has evolved over fifteen (15) years of development, is designed for use in harsh environments and has become a robust, hardwearing and reliable, workhorse instrument; and is a recognised market leader.

FEATURES:

- Up to eight (8) input channels, four (4) voltage and four (4) current
- Power profiling with high-speed event capture
- Transient and harmonic analysis, flicker and unbalance
- Graphical LCD for measurements and recording status
- Power directly from A phase - external power not required
- Double insulated and fused voltage cables
- Auto-scaling current transformer connection
- Data download and firmware upgrade via USB
- CAT IV 600V safety rating (PM45) and certified to IEC 61010
- AS60529-2004 IP66 (PM45) and IP65 (PM35) protection
- Wide operating temperature range: -20°C to 70°C
- Wireless remote communications option available



Loggers

LOAD LOGGER

LOAD LOGGER measures AC current (load) and is ideal for monitoring loads on circuits and switchboards to record load profiles that can be used to identify slow changing events such as long duration interruptions, outages and derive estimates of usage patterns. Load Logger is also useful as a diagnostic tool to assess load sharing and load balancing on single and three phase systems.; one device per phase.

Some common monitoring applications include: ac motors and pumps for swimming pools, irrigation, lighting, data centres, air conditioning equipment and switchboards

FEATURES:

- Versions: single channel or multi-channel (up to 4)
- Accepts flexible current sensors (CAT IV)
- Current range: 3000A. Other load currents available
- Working voltage: 600V
- Communications: RS232
- Rating: IP65
- Battery operated (9V) and portable
- Software configurable
- Programmable sampling down to 1 minute intervals



LOAD LOGGER: SINGLE CHANNEL
(W x H x D): 40 x 65 x 115 mm



LOAD LOGGER: MULTI-CHANNEL
(W x H x D): 55 x 90 x 115 mm

Remote Monitoring

LOAD REMOTE / CONDITION MONITORING

LOAD REMOTE is a Remote Terminal Unit (RTU) that measures AC current in up to five (5) circuits and facilitates on-line monitoring. All data is transmitted back to a secure database utilising modern communication networks with programmable intervals. The user is provided with a web login and password and able to quickly retrieve, view and download data on-line. Load Remote is also useful as a diagnostic tool to assess load sharing and load balancing on single and three phase systems. Load Remote is intended for applications requiring long term monitoring and where periodic site visits may not be feasible or access is difficult.

Digital inputs/outputs and alarm thresholds available for control and condition monitoring applications. This product can be customised to your specific requirements.

FEATURES:

- Measurements: Five (5) load circuits / four (4) load circuits and a single temperature
- Power source: 12VDC / battery operated
- Remote communications: Tri-Band UMTS (850MHz / 900MHz / 2100MHz); Dual-Band GSM / GPRS (900MHz / 1800MHz)



LOAD REMOTE