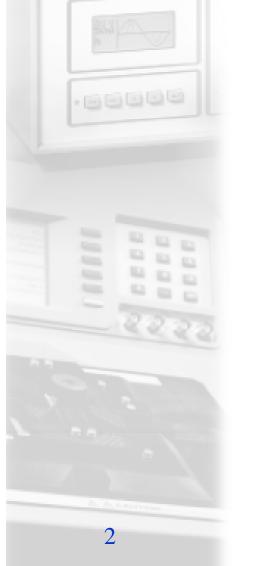


The PM1000+ Power Analyzer







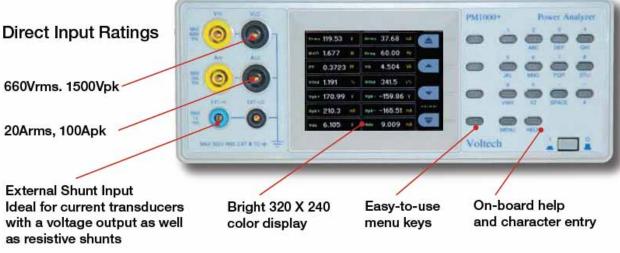


In 1997, the PM1000 was the world's first digital power analyser. Today in 2007, Voltech is proud to introduce the **PM1000**+



What makes it so good?





- Big, bright and versatile colour display
- Easy-to-use menu system
- Direct connection to the line
- Special modes for low power, current inrush and energy consumption.
- 0.1% Basic accuracy
- RS232, GPIB, USB and printer interfaces as standard.



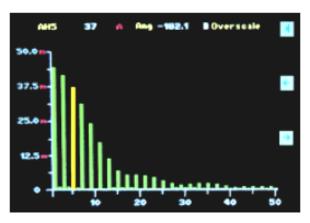
Display Whatever you want to see at the touch of a button



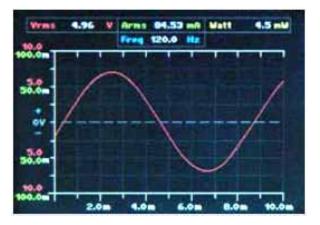
VPN:106-044/1 ©Voltech 2007



14 - measurement mode



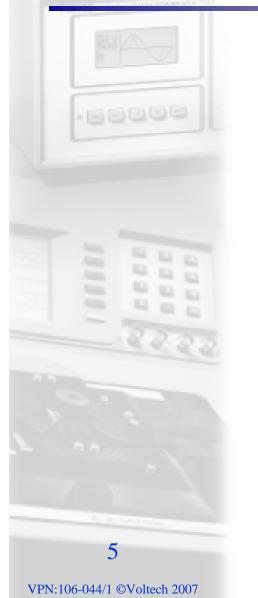
Harmonic Spectrum



Waveforms



Measurements

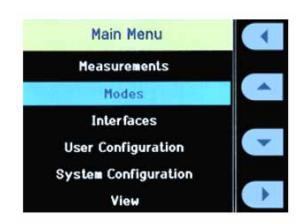


Volts 0 to 600 RMS & +/-1500V Peak Direct Input Current 0 to 20A RMS & +/-100A Peak Direct Input Power Watts 0 to 90kW Direct Input Apparent Power 0 to 90kW Direct Input **Reactive Power** 90kW Direct Input DC + 10Hz to 1MHzFrequency **Power Factor** -1.000 to + 1.000 Crest Factor 0 to 20.00 **Ballast Mode** 50/60/400Hz Input Up to 500kHz Output Harmonics 0 to 50 Voltage and Current THD 0 to 999% **Energy Whr** Programmable Timer Inrush Current Up to 100A peak Low Power Standby 1 to 300 second window Impedance $5m\Omega$ to $5M\Omega$

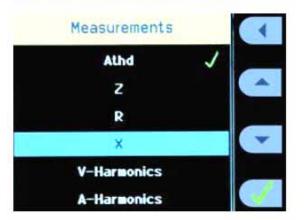


Menu System Easy to Configure. On-board Help Too!





Main menu, with modes selected



Measurement Parameter

Measuring Connectors Direct Inputs at the Front. No CT Errors



Voltech

www.voltech.com

Vrms 248,4 C Arms 66,21 C Watt 6,443 C Freq 50.08 C

- Direct connection to the line.
 - 660Vrms, 1500Vpk
 - 20Arms, 100Apk
- Use with external transformers or transducers to measure ANY power.
- 4mm safety connectors.





Special Modes Just 1 Selection for the Perfect Measurement!



VPN:106-044/1 ©Voltech 2007



Modes with standby selected

- Ballast mode for the output of electronic lighting ballasts
- Inrush mode for switch-on peak current measurements
- Standby power for accurate power measurements at less than 1W
- Integrator for energy consumption over time (W-h)



Easy Interfacing





Features That Beat the Rest



	Competition	Voltech PM1000+
Accuracy (1kHz)	0.15% rdg + 0.2% rng	0.1% rdg + 0.1% rng
Bandwidth	100kHz	1MHz *
Crest Factor	3	20 *
Inrush mode	x	✓ *
Standby Power mode	x	✓ *
Ballast mode	x	✓ *
4 line display	3 only	\checkmark
14 line display	×	✓ *
USB, RS232	x	✓ *
GPIB, Printer	Option	✓
Colour Waveform and	×	√ *
Barchart		
Harmonics	Option	\checkmark

* Features UNIQUE to the Voltech PM1000+ in this market



Benefits for Our Customers?

- ۲ ۲ ۲ 11
 - Any organization that designs, manufactures or supplies products that consume electrical power.Here are some:
 - Power supply manufacturers
 - Easy to identify and target from trade directories
 - Appliance manufacturers domestic and office goods
 - Energy consumption / integration
 - Education & Research
 - Exciting yet accurate tool
 - Ballast and Lighting Manufacturers
 - Nothing in this price range is as accurate at high frequencies



Thanks For Listening!



Remember our website is packed with materials and resources....

