

## PA2200A POWER ANALYSER

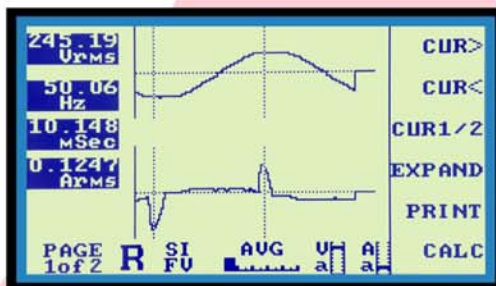
A superb new power analyser from AVPower  
Offering real ease of use and many great features



- 500kHz Bandwidth
- Isolated inputs work with motor drives
- Ability to analyse transient power events
- Printer interface as standard with timed / manual printouts
- Up to 10 readings/second
- 4 Chart recorder outputs (option)
- Pass / fail production line testing
- 1440Vpk + 125Apk (20Arms) direct measurements (DC coupled)
- IEEE-488+RS232 interfaces (options)
- Integrator function with WHRS, AHRS and elapsed time
- Real time clock
- 10 setup memories for storing individual configurations

### Multiple Parameter Display

Large numerals and neat layout means multiple parameters can be viewed with clarity, even from distances of up to 4 metres. All parameters are measured and updated simultaneously. Scaling factors may be applied to give correct readouts when using VT and CT

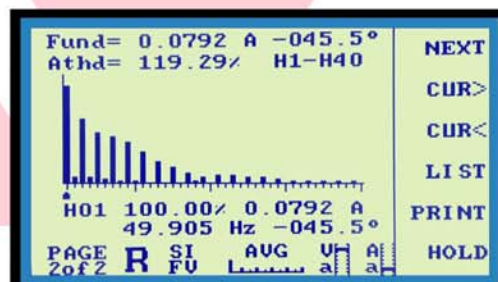


### Waveforms + Datacapture Analysis

At the touch of a button view volts, amps and power waveforms. Use cursors to select portion of captured data to be analysed further. Measure inrush current and other transient events with real ease.

### Harmonic Analysis

View harmonic lists or bar graphs. Both percentage and absolute values of harmonics are shown together with phase angles. Amps and volts THD is calculated from the harmonic series. IEC-Test software is available free of charge for harmonics and flicker testing to IEC-1000-3-2 and IEC-1000-3-3.







## PA2200A OPTIONS



OPT 04 1000A Clamp CT  
 OPT 41 Flicker  
 OPT 61 Hard transit case  
 OPT 67 Interface board  
 OPT 67A RS232  
 OPT 67B IEEE-488  
 OPT 67C Chart recorder x4  
 OPT 70 PWM Freq sync board  
 LabView Drivers

MEASUREMENT FUNCTION		PA 2200A
Measurement Bandwidth	Range	DC, 0.2Hz to 500kHz
Volts	Display Resolution	4 3/4 digit
	Measurement Range	700mVrms to 1000Vrms (1440Vpk) (200mVrms with display blanking off)
	Vpeak Ranges	1440, 720, 220, 110, 33.0, 16.0, 5.00, 2.50
	Max input volts	1440Vpk Overload 3000Vrms for 1 second
	Accuracy	0.08% Reading +0.1% Range +10mV DC 0.5% Reading +0.5% Range +10mV
	Common mode	90dB
	Input impedance	1Mohm 12pF
	Current	Display Resolution
Measurement Range		0.01Arms to 20Arms (125Apk) Ext Shunt 1mVpk to 4Vpk
Apeak Ranges		125, 62.5, 22.0, 11.0, 3.50, 1.80, 0.6, 0.3
Max input amps		20Arms continuous 125Apk
Accuracy		0.08% Reading +0.1% Range +2mA DC 0.5% Reading +0.5% Range +10mA
Common mode		90dB
Input impedance		0.02 Ohm
Power		Accuracy
VA	Accuracy	0.1% Reading +0.1% Range +2mVA
VAR	Accuracy	0.1% Reading +0.1% Range +2mVAR
GENERAL SPECIFICATIONS		
Interfaces	Standard	Printer (Centronics)
	Optional	IEEE-488, RS232, Chart Recorder x4
Environment	Operating Temperature	0°C to +50°C
	Storage Temperature	-40°C to +60°C
	Humidity	10% to 90% RH non-condensing
Dielectric Strength	Inputs to case	4kV AC 50/60Hz for 1 minute
	AC line input to case	2kV AC 50/60Hz for 1 minute
Power	AC line input voltage	90V to 264V
	AC line input frequency	45Hz to 450Hz
	AC line input fuse	20mm 1AT
	Power consumption	14W/28VA
Mechanical	Weight	5.5kg
	Dimensions (W x H x D)	215mm x 144mm x 390mm

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