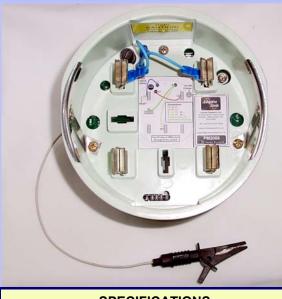
PM2000 Power Quality Meter Socket Logger



SPECIFICATIONS	
MODEL	PM2000
Input Voltage	Three 0-300 Vac True RMS
Input Current	Two 0-220 Amp Rogowski Type Rigid Coil Sensors
Channels	16
Accuracy	Voltage < 0.25% True RMS of Reading
Resolution	Fixed to 0.1 Vac and 0.1 Aac
Math Channels	AC 1 Phase: RMS, Real Power, VARS (fund), Apparent Power, Power Factor, Phase angle, Frequency AC Split Phase: Real Power, VARS
	(fund), Apparent Power, Power Factor Harmonics: Total Harmonic Value, % Total Harmonic Distortion Other Math Option: Channel X * Constant, Channel X / Channel Y, Filtered Channel X,
	Internal Temperature, On Charge, Battery Volts
Recording	64 samples per cycle; Single Cycle True RMS response time; 16 bit simultaneously sampling all channels
Memory	1MB Ram - <i>Standard</i>
Recording Mode and Rate	Adaptive Store: Unique store management enables extended recording & Single Cycle resolution on significant signal changes
Data Retention	Back-up battery provides 2 month's retention @ 77°F (25°C)
Power	Requires 100-300 Vac from L1 to L2 voltage measurement or separate power supply
	Battery: 4 AA Ni-Cad battery pack
Communications	Serial Ports: Infrared Optically Isolated, non-contacting RS232, (up to 115.2K baud)
	Protocol: MODBUS ASCII
	Computer Requirements for Pronto Software: Windows 9x, ME, NT, XP: 486DX66 or higher; 250MB hard drive: 16MB RAM
Case	Marwell Socket
Weight	2.6 lbs.
Operating Temp	-22° F (-30° C) to 149° F (65° C)

FEATURES

Patented Single Cycle Adaptive Storage

One Meg memory provides single cycle event resolution over recording periods of 30 days with all 16 channels recording - *Standard*

Eight pre-stored configurations are set for split phase hook ups with several math channels pre-configured for power and harmonic measurements

FIVE externally visible status LEDs (4-bi-color)

Infrared Optically Isolated Noncontacting RS232, with MODBUS ASCII protocol

Rogowski coil technology ensures the most accurate current readings in a low current measurement situation

Records and displays up to 16 channels of voltage, current, power, power factor, VAR's, phase angle, frequency, THD, and much more - *Standard*

Accurate current readings to zero amps

Data Storage includes an additional internal flash memory for field programmable upgrades

THD Harmonic Readouts on all voltage and current channels - **Standard**

PM Screen software for virtual screen display, configuration, and operation (launched through Pronto for Windows) Measures current in L1 and in L2

Battery back up provides 10 minutes resettable timed ride-through in case of power outage

Measures voltage L1 to neutral, L2 to neutral, and L1 to L2. - *Standard*

Works with 4 - and 5 - Jaw Meters

Compact size Marwell socket case



Each Unit Includes

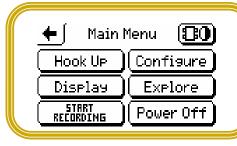
- PM2000 Power Quality Meter Socket Logger
- Infrared Serial Download Cable
- 12 Volt Charger
- Neutral Blade & Neutral Clip Lead
- LED Legend Card
- Pronto for Windows Analysis Software
- Operation Manual on CD
- Carrying Case

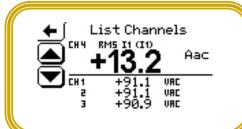


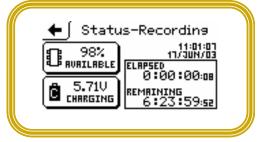
Another Adaptive Store product from Outram Research, LTD

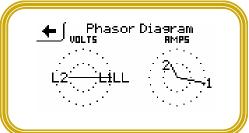
Free Product Training & Support Videos @ www.synergy-mi.com

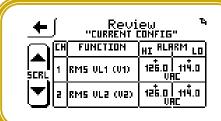
PM2000 Virtual Display Screen Examples



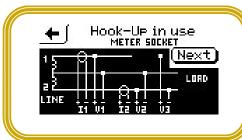




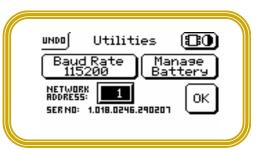




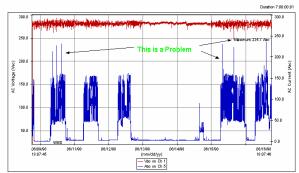








Pronto for Windows Data Analysis & Reporting Software



Vac on Ch 1 limits 289, 271 Exceedence Report for Vac on Ch 1 limits 289, 271 File Name: Directory: Author: TRIAM3.PDB E:\PRONTO4W\PROJECTS Frank Perri Vac on Ch 1 limits 289, 271 Exception list Vac on Ch 1 limits Frank Perri 08/25/00 08:54 06/09/98 18:07:45 06/16/98 18:07:46 450 all data Created by: Created on: Start time; End time: Exceptions Found: Test Mode: Exceedences for Vac on Ch 1 Upper Limit: Lower Limit: Test For: de upper or lower limit Start Time End Time Duration Max/Min Exceedence Type hh:m m:ss.000 Vac 06/09/98 18:18:06 37.098 270.1 06/09/98 18:18:22 06/09/98 18:19:00 06/09/98 18:19:37 Minimum limit 06/09/98 18:19:46 06/09/98 18:19:48 Minimum limit

Functions

- ⇒ File Management Tools
- \Rightarrow Templates for Viewing Data
- ⇒ Unlimited Traces on Screen
- ⇒ Titles, Subtitles & Legends for Text & Data
- ⇒ Text Annotation
- ⇒ Arrow Pointer for Text
- ⇒ Cut & Paste Options
- ⇒ Font Selection of Size & Type Color Selection for Text & Graphs
- ⇒ User Information Screen
- ⇒ Modem Communications
- ⇒ Local Data Logger Network Support
- ⇒ Remote Data Logger Network Support
- ⇒ Notebook
- ⇒ Access to Word Processors
- ⇒ 38.4 K Baud up to 230.4 K Baud
- ⇒ Logger Configuration

⇒ Zooming Tools

Frame Pan

Exception Zooming

Limits (value or %)

⇒ Playback Tools

Manual Auto

Scheduled

Multiple/Groups

⇒ Reporting Tools

Exceedence Reports
Customer Statistics Tabular Listings
Custom Reports

- ⇒ Network-Addressable Data Logger Access
- ⇒ Windows-Controlled Printer Support
- ⇒ Built-In Address Book
- ⇒ Context-Sensitive, On-Line Help System
- ⇒ Used with all Ranger & Adaptive Store Products

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