

# Appliance Tester/Power Analyzer



**Compact, battery operated device for analyzing AC power loads**  
With PC interface plus datalogging

## Features:

- Four simultaneous displays of Watts,
- Power Factor or VA, Voltage or Hz, Amps
- True RMS Voltage & Current measurements
- of sine, square, triangular and distorted wave forms with a crest factor < 5
- Max, Data Hold and Overload Protection
- Battery or AC adaptor provides line isolation
- Plug device to be tested directly into the Power Analyzer
- Sampling (update) rate is 2.5 times/second
- Windows® 95/98/NT/2000/XP/ME software allows user to download stored data or save data directly, and to create an ASCII file. Computations include phase angle, apparent and reactive power, consumption and cost, and power factor correction
- Complete with Windows compatible software, cable, 8 x AA batteries, power cord, 117 VAC adaptor and case



## Applications:

- Measure and Audit power consumption of single phase devices
- Evaluate load performance under varying line conditions
- Demonstrate effectiveness of power conservation efforts
- Characterize device AC power requirements

### Model 380803 Datalogger

- Built-in Datalogger stores up to 1,012 readings (Single record storage or continuous datalogging)

### Model 380801

- Used for data acquisition when connected to a PC



Specifications:	Range	Resolution	Basic Accuracy (%rdg)	Input Signal Range
Watt	200/2000W	0.1/1W	±(0.9% + 4d)@50/60Hz	300V, 20A, 40-400Hz
Power Factor	0.5 to 1.0	0.001	(Based on W, V, A)	250V, 20A, 50/60Hz
Voltage	200.0/750V	0.1/1V	±(0.5%)	750VAC
Current	2/20A via terminals 2/15A via sockets		±(0.5%)	(Fuse Protection)
Frequency	40Hz to 20kHz	1Hz to 10Hz	±(0.5%)	
Dimensions/Weight	13.9 x 11.8 x 3.9" (352 x 300 x 100mm) / 3.6 lbs. (1.6 kg)			

## Ordering Information:

- 380801 .....True RMS Single Phase Power Analyzer  
 380801-NIST .....380801 with Calibration Traceable to NIST  
 380803 .....True RMS Power Analyzer Datalogger  
 380803-NIST .....380803 with Calibration Traceable to NIST  
 USB100 .....RS-232 to USB Adaptor