

# 1000A 3-Phase Power & Harmonics Analyzer

## For Power Measurements and Analysis plus Datalogging

Of single and 3-phase/3-wire or 3-phase/4-wire systems plus datalogs to 52,428 single phase readings or 17,476 3-phase readings

### Features:

- Large backlighting LCD displays up to 35 parameters in one screen
- Clamp-on True RMS power measurements with on-screen Harmonics display
- Simultaneous display of Harmonics and Waveform
- Display of Waveform with Peak Values (1024 samples/period)
- Analysis of Total Harmonic Distortion (THD-F)
- Maximum Demand (MDkW, MW, kVA, MVA) with programmable period
- Adjustable CT ratio (1 to 600) and VT ratio (1 to 3000)
- Graphic Phase diagram with 3-Phase system parameters
- 3-phase Voltage or Current Unbalanced Ratio (VUR, VIR) and Unbalanced Factor (d0%, d2%)
- Calculated Unbalanced Current through Neutral Line (In)
- Capture 28 Transient events (including Dip, Swell and Outage) with programmable threshold (%)
- Optically isolated RS-232 interface with software to download Waveforms, Power Parameters and Harmonics
- Complete with 4 voltage leads with alligator clips, 8 AA batteries, AC adaptor, software, PC interface cable, and case

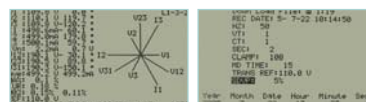


### Meter Displays



Harmonics Analysis

Power Analysis



Phase Analysis

Internal Menu

### Software PC Displays



Software Harmonics Phase Analysis

Software Harmonics Analysis

Specifications	Range	Basic Accuracy
ACV (True rms)	600V	±(0.5%rdg+5d)
ACA	1000A	±(0.5%rdg+5d)
Active Power (kW)	9.999MW	±(1%rdg+8d)
Apparent Power (kVA)	9999kVA	VA=Vrms x Arms
Reactive Power (kVAR)	9999kVAR	VAR= sqrt (VA <sup>2</sup> -W <sup>2</sup> )
Power Factor	0.0 to +1.00	±(1.5%rdg+8d)
Frequency	45-65Hz	0.1Hz
Phase	-180.0°~ 0°~ +180.0°	±1°
Harmonics	1 to 99	±2%
Crest Factor	1.00 to 99.99	±(5%+30d)
Peak AC Voltage accuracy		±(5%rdg+30d)
Peak AC Current accuracy		±(5%rdg+30d)
Active Power Energy (kWh)	0mWh to 999,999kWh	
Reactive Power Energy (kVARh)	0.0kVARh to 1000MWh	
Datalogging	52428 records (single phase)/17476 records (3 phase)	
Dimensions/Weight	10.1 x 6.1 x 2.3" (257 x 155 x 57mm)/ 2.5 lbs (1160g)	

### Optional Clamp Probes

Choose the best clamp probes to fit your application needs ranging from 100A to 3000A and flexible vs traditional jaw type.



**Model 382098**  
3000A (24"/609mm)  
Flexible Current Clamp  
Probes for wrapping  
around busbars



**Model 382097**  
100A Current Clamp  
Probes with 1.2" (30mm)  
jaw size

### Ordering Information:

**382095** .....1000A 3-Phase Power Harmonics Analyzer (120V)

**382096** .....1000A 3-Phase Power Harmonics Analyzer (220V)

#### Accessories

**382000** .....Voltage Test Leads with Alligator and Plunger Clips (4 leads)

**382097** .....100A Current Clamp Probes (Set of 3)

**382098** .....3000A, Flexible Current Probes (Set of 3)

**USB100** .....RS-232 to USB Adaptor