

**Valhalla Scientific, Inc.**  
**Model 3030A PolyPower Analyzer**  
**(Specifications)**

<b>Size:</b>	4@W x 8@L x 1:@H
<b>Weight:</b>	Less than 2 pounds
<b>Operating Range:</b>	0 - 50 degrees C (32 - 122 degrees F)
<b>Power Requirement:</b>	12 VDC @ 50 ma, wall mount power supply included Internal Ni-Cad operates up to 10 hours after overnight charge.
<b>Voltage:</b>	Input Range: 1 - 600 Vrms steadystate in 6 autoranges Display Range: 1 - 6 megavolts (using input ratios) Accuracy: 0.5% Frequency Response: No derating of accuracy for harmonics through 25th harmonic (1500 Hz for 60 Hertz fundamental)
<b>Current:</b>	Input Range: 0.01 - 3000 Amps with the proper current probe attached  With HA-3000: 5 - 3000 Amps With HA-1000: 1 - 1000 Amps With HA-150: 1 - 150 Amps With HA-100: 0.1 - 100 Amps With HA-10: .01 - 10 Amps 6 autoranges Display Range: 1 - 6 megamps (using input ratios) Accuracy: 0.5% plus accuracy of current probe Frequency Response: dependent on current probe attached with HA-1000: no derating of accuracy for harmonics through the 25th harmonic (1500 Hz for 60 Hz fundamental)
<b>Frequency:</b>	Range: 45 - 66 Hz fundamental frequency 45 - 1650 Hz for RMS measurements 45 - 3000 Hz for harmonic measurements Accuracy: 0.5%

## **Power, Energy, Cost, Power Factor:**

Display Range: 1 watt - 60 megawatts (using input ratios)

Accuracy: 1%

## **Harmonic Distortion:**

Range: Basic unit has THD only with Harmonic Analysis Option, individual harmonics through 15th (900 Hz) with Harmonic Analysis and PC Control & Analysis Software, harmonics through 50th (3000 Hz)

Accuracy: To within 1% of fundamental

## **Transient Detection**

Minimum duration to guarantee capture: 32  $\mu$ sec

Measurable Range of Magnitude:  $\pm 2500$  Vpk

## **Captured Waveforms**

Quantity: 14 waveforms organized into 2 time-coincident sets of 7 each (3 voltages and 4 currents)