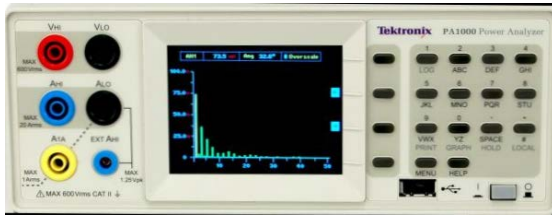


# PA1000 Power Analyzer vs. Hioki 3333

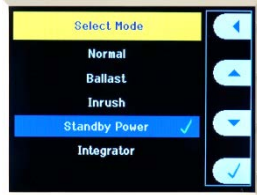
## Competitive Fact Sheet

### User Interface

#### Tektronix PA1000



- Color graphics display can show up to 14 measurements, power waveforms, harmonics bar charts, energy integration plots, setup menus - all with context sensitive Help.



- Application-specific test modes for easy test setup

#### Hioki 3333

- Seven-segment LED display shows only 4 measurements. No waveforms, no bar charts, no menus.
- No test modes; manual instrument setup only.

### Analysis Features & Test Solutions

#### Tektronix PA1000

#### Hioki 3333

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>✓ <b>Harmonics Analysis</b> – included standard, to 50th harmonic</li> <li>✓ <b>Application-specific Test Modes</b> – for easy test setup</li> <li>✓ <b>PC Software (PWRVIEW)</b> – with setup wizards &amp; test automation</li> <li>✓ <b>Standards Compliance</b> – Full Compliance for Standby Power per IEC62301 standard</li> </ul> | <ul style="list-style-type: none"> <li>✗ <b>Harmonics Analysis</b> – not available</li> <li>✗ <b>No Test Modes</b> – manual instrument setup only</li> <li>✗ <b>PC Software</b> – no test automation nor analysis</li> <li>✗ <b>Standards Compliance</b> – no solution for Standby Power</li> </ul> |
|---|---|

### Key Specifications Comparison

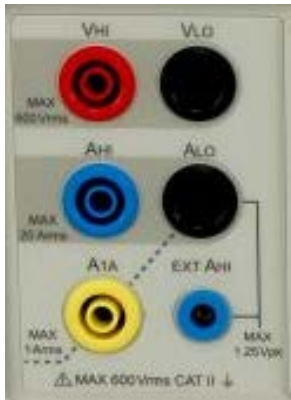
	Tektronix PA1000		Hioki 3333	
<b>AC Measurement Accuracy (V &amp; I)</b>	✓	0.05% reading +/- 0.05% range	✗	0.1% reading +/- 0.2% range
<b>Bandwidth</b>	✓	1 MHz	✗	5 kHz
<b>Sample Rate</b>	✓	1 MS/sec	✗	48 kS/sec
<b>Voltage Ranges</b>	✓	1000 V, 500 V, 200 V, 100 V, 50 V, 20 V, 10 Vpeak	✗	200 V only (one range)
<b>Warranty</b>	✓	5-year warranty	✗	1-year warranty

# PA1000 Power Analyzer vs. Hioki 3333

## Competitive Fact Sheet

### Wiring Connections , Accessories, Communications

#### Tektronix PA1000



- ✓ Dual current shunts (20 Amp high-range & 1 Amp low-range) for excellent resolution at all current levels, especially low-power standby
- ✓ Accepts current input from external transducers ~ or ~ direct input to internal shunts
- ✓ Full test lead set shipped with instrument
- ✓ **Standard Communication Ports** – USB, Ethernet, GPIB all standard plus USB host for data logging

#### Hioki 3333

- ✗ Single 20 Amp shunt
- ✗ No safety connectors – basic terminal strip only; NOT UL listed for safety
- ✗ No test leads shipped with instrument
- ✗ **Communication Port** – RS-232 only; GPIB extra-cost, **Ethernet & USB not available**