

# PA1000 Power Analyzer vs. Yokogawa WT310

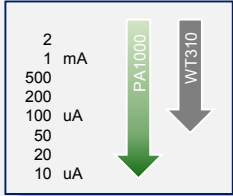

## Competitive Fact Sheet

### Performance and Features



#### The PA1000 has:



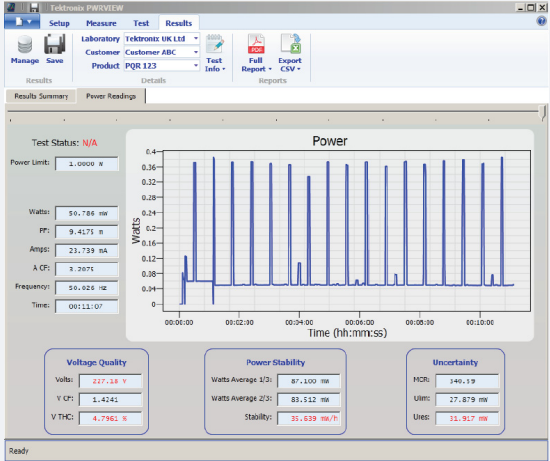
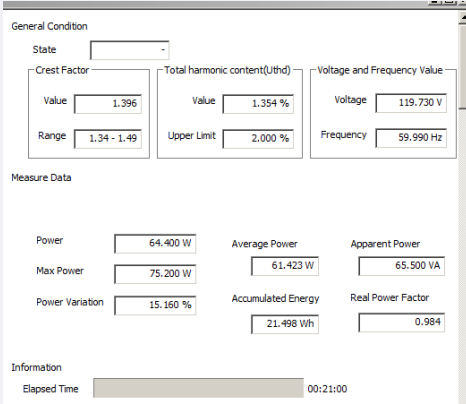
- The best low power range and accuracy.
  - measures from 2mW / 10uA up.
- The only complete IEC62301 Ed.2 / IEC50564 low power standby measurement solution
- The industry's best warranty – 5years

	Tektronix PA1000	Yokogawa WT310	
<b>Accuracy</b>	±0.04% reading ±0.04% range	±0.1% reading ±0.1% range	Verify even the most efficient designs with the PA1000's best basic accuracy.
<b>Range</b>	10uA  to 20A RMS	50uA  to 20A RMS	 <p>PA1000 has the <b>best low power range and accuracy.</b></p> <ul style="list-style-type: none"> <li>• Measures from 2mW / 10uA up.</li> <li>• Best watts accuracy below 0.5W</li> </ul> <p>PA1000 is ready for present and future low power standby regulations.</p>
<b>Bandwidth</b>	1MHz	100kHz	<b>10x bandwidth</b> makes the PA1000 ideal for high-frequency lighting applications, including ballast / driver output. PA1000 has <b>2x basic accuracy</b> of WT310 at 100kHz
<b>Features</b>	Fast peak auto-ranging (<50mS @50/60Hz).	RMS auto-ranging (~ 250ms with pre-select off).	The PA1000 samples at 1Ms/s continuously and auto-ranges quickly on the peak of the waveform to minimize gaps.
<b>Interfaces</b>	W-h Energy Integrator Harmonics.  Color graphics display. USB, Ethernet and GPIB USB Memory.	W-h Energy Integrator Harmonics (option).  4x 7 segment displays. USB + GPIB <b>or</b> RS232.	 <p>Wave                      W-h trend                      Harmonics</p>

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### Applications Example – Low Power Standby

	PA1000	Yokogawa WT310	PA1000 Advantages
<p><b>Design check using the instrument front panel @ 5mW</b></p>			<p>PA1000:</p> <ul style="list-style-type: none"> <li>• 2x as accurate below 0.5W (PF = 1).</li> <li>• Lowest valid range. Measures from 2mW / 10uA up</li> </ul>
<p><b>IEC62301 Ed.2 / EN 50564 Compliance software</b></p>			<p><b>Only</b> the PA1000's PWRVIEW PC software:</p> <ul style="list-style-type: none"> <li>• Graphs watts during the test.</li> <li>• Shows MCR, the maximum current ratio as per IEC62301 Ed.2.</li> <li>• Calculates and displays the required and actual real-time uncertainty, U as per IEC62301 Ed.2.</li> </ul>