



Product Brochure

USB Power Sensors

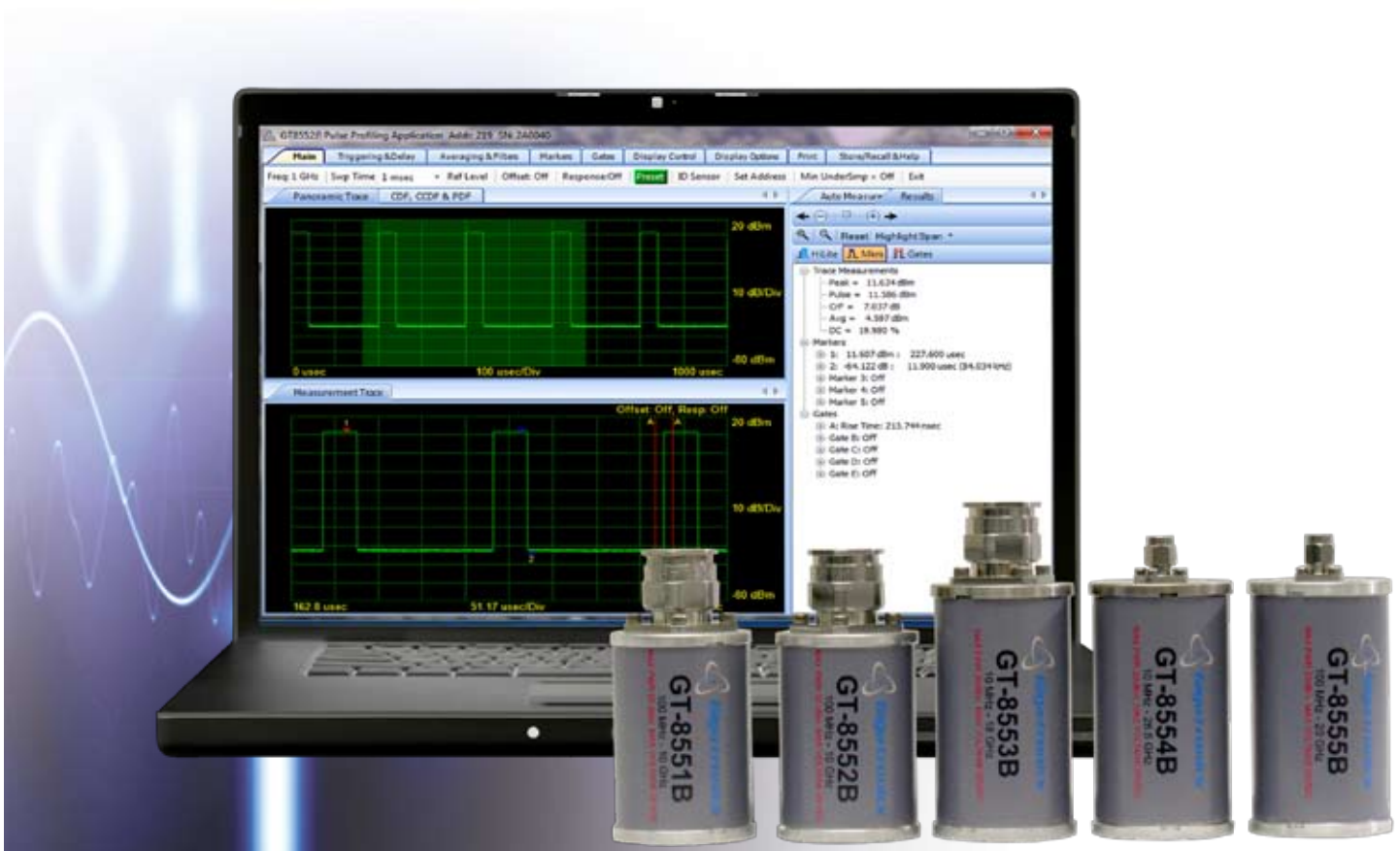
10 MHz to 26.5 GHz



Key Benefits



- Fully calibrated - no need to cal or zero the sensor
- Fast measurement speed saves time and increases productivity
- Saves cost and space



GT-8550B Series USB Power Sensors

The Giga-tronics GT-8550B USB Power Sensors offer easy-to-use high-performance RF and microwave power measurement. High dynamic range and high accuracy make these sensors ideal for testing in wireless communication applications, and Defense EW systems. The GT-8550B series feature a no zero, no cal, and fast measurement speed. These broadband power sensors provide fast, easy power measurement for R&D laboratory, manufacturing test and field installation and maintenance applications.



Key Features

- ▣ Models:
 - 10 MHz to 26.5 GHz
 - CW, Modulation, Pulse
- ▣ Range:
 - -60 to +20 dBm to 6 GHz
 - -50 to +20 dBm to 26.5 GHz
- ▣ VSWR:
 - < 1.18 : 1 to 10 GHz
 - < 1.30 : 1 to 26.5 GHz
- ▣ Measurement Speed:
 - > 2,000 readings/sec typical

GT-8550B Series USB Power Sensors



Selection Guide

Model	GT-8551B	GT-8552B	GT-8553B	GT-8554B	GT-8555B
Frequency Range	100 MHz to 8 GHz	100 MHz to 8 GHz	10 MHz to 18 GHz	10 MHz to 26.5 GHz	100 MHz to 20 GHz
Measurements	Average, Peak (Pulse)	Average, Peak (Pulse), Pulse Profiling	True-RMS Average Power	True-RMS Average Power	Average, Peak (Pulse), Pulse Profiling
Dynamic Range	-60 to +20 dBm	-60 to +20 dBm	-50 to +20 dBm	-50 to +20 dBm	-40 to +20 dBm
Triggering	Yes	Yes	No	No	Yes
Connector	Type-N (m)	Type-N (m)	Type-N (m)	SMA (m)	SMA (m)
Applications	Wireless comms and component testing	Wireless comms, Defense, ATE. Full suite of time gated pulse parameter measurements	Microwave comms, Defense, ATE.	Microwave comms, Defense, ATE.	Microwave comms, Defense, ATE. Full suite of time gated pulse parameter measurements

GT-8550B Series USB Power Sensors

Measurement Software

The Giga-tronics GT-8550B series USB Power Sensors are designed for use with a standard PC running Microsoft™ Windows XP, Vista or Windows 7 (32 or 64 bit). The PC based platform allows for lower cost than traditional power meters and power sensors, and enables the capability for portable power measurement and remote monitoring applications. The Giga-tronics GT-8550B series USB Power Sensors include full featured measurement application software.

Key Features:

- True-RMS Average Power (GT-8553B, GT-8554B)
- Average, Peak (Pulse) Power (GT-8551B, GT-8552B, GT-8555B)
- Time-Gated Pulse Profiling (GT-8552B, GT-8555B)
- Averaging, Relative Power, Offset Power, and Power Limits
- Data Logging (Strip Chart) Function



Ordering Information

Giga-tronics offers engineering and technical expertise to help you gain the maximum return on your investment. At Giga-tronics, we understand the challenges you face. We help you achieve both top-line growth and bottom-line efficiencies by working to identify your precise needs and implement smart and result orientated solutions. Our support services are tailored to assist your team with integration and next-generation product and process technology.

For Quotes, Order Assistance, or Demonstration Equipment, please contact your local Giga-tronics representative. The contact information is available at: <http://www.gigatronics.com/Where-to-Buy>

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