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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight PA2203A

The Agilent/Keysight PA2203A isaPA2200 Series IntegraVision power analyzer combining 0.05 percent basic accuracy with touch-driven waveform visualization. OEM data sheet 5992-0324EN lists 5 MSa/s 16-bit digitizing, 1000 Vrms CAT II isolated inputs, and 4 channels. AC/DC power conversion, inverter efficiency, UPS energy storage, EV/HEV inverters, and IEC 61000-3-2 harmonic pre-compliance. Oscilloscope-style single-shot capture of inrush and line dropouts Continuous Whole-Cycle Analysis without measurement gaps Dimensions WxHxD: 426 mm x 308 mm x 272.8 mm Remote Interfaces: USB 2.0 hi-speed device USBTMC and 10/100/1000 Base-T LAN Reference Input: 10 MHz earth-referenced SMA; 0 to 3.3 V logic (5 V max) Numeric rows from Keysight IntegraVision PA2200 Series Power Analyzers data sheet 5992-0324EN model PA2203A.



MODEL

**Agilent / Keysight
PA2203A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

PA2203A

LISTING

<https://aumictechlabs.com/products/pa2203a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight PA2203A IntegraVision Power Analyzer combines power measurement accuracy with oscilloscope-grade waveform capture in a single instrument. Designed for 1-phase and 3-phase AC testing across R&D, system integration, and laboratory environments, it simultaneously acquires voltage, current, and power data while displaying real-time waveforms. The 12.1-inch capacitive touchscreen interface and isolated floating inputs up to 1000 Vrms (Cat

II) enable flexible, safe operation without differential probes. Real-time power analysis paired with transient visibility reduces setup complexity and accelerates troubleshooting of dynamic performance issues.

Technical Specifications

Measurement Architecture 4 power channels; each measures voltage, current, and power 5 million samples per second simultaneous on all waveforms 16-bit waveform digitization Voltage: $\pm 0.05\%$ of reading + $\pm 0.05\%$ of range Power: $\pm 0.1\%$ of reading + $\pm 0.05\%$ of range (50/60 Hz) Voltage and Current Inputs Voltage range: 1000 Vrms / 2000 Vpeak; bandwidth to 2.5 MHz (-3 dB, filter OFF); accuracy warranted to 1 MHz Current via internal shunts: 2 Arms and 50 Arms ranges; bandwidth to 100 kHz External current probes/transducers: 10 V full scale; bandwidth to 2.5 MHz; accuracy warranted to 1 MHz Input isolation: Floating to 1000 Vrms (Cat II) Timebase Range: 20 $\mu\text{s}/\text{div}$ to 50 s/div (200 μs to 500 s maximum) Data Logging and Analysis USB data logging with intervals as fast as 50 ms Logging duration: 1 second to 1 year Harmonics: Voltage or current up to 250 orders (below 120 Hz fundamental); maximum frequency <30 kHz FFT math functions for frequency content 30 kHz to 2.5 MHz Measured Parameters Voltage/current: DC, ACrms, ACrms with DC, frequency, maximum, minimum, crest factor Power: Real (AC, AC+DC, DC), apparent (AC, AC+DC), reactive (AC, AC+DC), power factor, phase angle

Key Features Wye and Delta wiring configurations for 3-phase systems 12.1-inch high-resolution LCD with multi-touch gesture control Simultaneous oscilloscope-grade waveform visualization and power analysis 1000 Vrms floating isolation eliminates need for differential probes

Typical Applications Power consumption and efficiency characterization Transient response analysis Harmonic content assessment Multi-phase AC system testing Device dynamic performance evaluation

Compatibility & Integration External current probes and transducers supported. USB data export for post-analysis and archival.

PA2203A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	IntegraVision power analyzer with oscilloscope-style visualization
Series Family	Keysight PA2200 Series
Power Channels	4 channels
Phase Application	single-phase and three-phase
Basic Accuracy 50 60 Hz	0.05 percent of reading
Best Power Accuracy 50 60 Hz	0.1 percent of reading
Voltage Accuracy 40 to 100 Hz	0.05 percent of reading plus 0.05 percent of range; fixed term 100 μ V
Digitizer Rate	maximum 5 M samples per second at 16 bits on each waveform simultaneously
Analog Bandwidth	2.5 MHz (anti-aliasing filter off, minus 3 dB at or above 2.5 MHz)
Voltage Measurement Bandwidth	specified to 1 MHz
Current Direct Bandwidth	specified to 100 kHz on 2 A or 50 A inputs
Current External Bandwidth	specified to 1 MHz
Maximum Voltage	1000 Vrms (2000 Vpeak; peak not to exceed 25 ms)
Voltage Ranges	5 V, 10 V, 20 V, 50 V, 100 V, 200 V, 500 V, 1000 V
Voltage Input Impedance	2 MOhm parallel 12.5 pF
Direct Current 2 A Path	2 Arms, 6 A peak; ranges 10 mA to 2 A
Direct Current 50 A Path	50 Arms, 100 A peak; ranges 200 mA to 50 A
Shunt Impedance 2 A	60 mOhm plus 0.10 μ H
Shunt Impedance 50 A	6 mOhm plus 0.06 μ H
External Transducer Input	10 Vrms 30 Vpeak isolated BNC; 100 kOhm parallel 100 pF
External Transducer Ranges	50 mV, 100 mV, 200 mV, 500 mV, 1 V, 2 V, 5 V, 10 V
Record Size	maximum 1.5 M points on each waveform simultaneously
Timebase	50 s/div (500 seconds) maximum; 20 μ s/div (200 μ s) minimum
Harmonic Orders	up to 250 orders (attainable below 120 Hz fundamental)
Harmonic Frequency Limit	less than 30 kHz for any order

PARAMETER	VALUE
THD Residual	minus 75 dBc at full scale for all inputs (less than 10 kHz)
Crest Factor Full Scale	3 at full scale unless in conflict with maximum ratings
Isolation Rating	1000 V CAT II voltage and current terminals to earth and to each other
Display	12.1 inch capacitive multi-touch 800 × 600
Power Line Consumption	maximum 180 VA
AC Line	100 to 240 V 50/60 Hz plus or minus 10 percent; 100 to 120 V also 400 Hz; auto ranging
Operating Temperature	0 to plus 40 C
Storage Temperature	minus 40 to plus 70 C
Humidity Operating	80 percent RH non-condensing at 40 C
Altitude Operating	up to 3000 m
Warm Up Time	60 minutes
Calibration Cycle	1 year
Logging Interval	50 ms to 1 day
Logging Duration	1 s to 1 year
Trigger Jitter	plus or minus 100 ns
Dimensions WxHxD	426 mm x 308 mm x 272.8 mm
Weight Net	12.3 kg (27.2 lb)
Weight Shipping	13.7 kg (30.3 lb)
Remote Interfaces	USB 2.0 hi-speed device USBTMC and 10/100/1000 Base-T LAN
Reference Input	10 MHz earth-referenced SMA; 0 to 3.3 V logic (5 V max)
Bandwidth	2.5 MHz (anti-aliasing filter off, minus 3 dB at or above 2.5 MHz)
Humidity	Operating: 80 percent RH non-condensing at 40 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 to plus 70 C
Operating temperature	0 to plus 40 C
Operating Temperature	0 to plus 40 C
Humidity	Operating: 80 percent RH non-condensing at 40 C
Humidity Operating	80 percent RH non-condensing at 40 C
Altitude Operating	up to 3000 m
Warm Up Time	60 minutes
Calibration Cycle	1 year
Logging Interval	50 ms to 1 day
Logging Duration	1 s to 1 year
Trigger Jitter	plus or minus 100 ns
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Reference Input	10 MHz earth-referenced SMA; 0 to 3.3 V logic (5 V max) Notes Numeric rows from Keysight IntegraVision PA2200 Series Power Analyzers data sheet 5992-0324EN model PA2203A.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Instrument Type	IntegraVision power analyzer with oscilloscope-style visualization
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Analog Bandwidth	2.5 MHz (anti-aliasing filter off, minus 3 dB at or above 2.5 MHz)
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Voltage Ranges	5 V, 10 V, 20 V, 50 V, 100 V, 200 V, 500 V, 1000 V
Voltage Input Impedance	2 MOhm parallel 12.5 pF
Direct Current 2 A Path	2 Arms, 6 A peak; ranges 10 mA to 2 A
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Shunt Impedance 2 A	60 mOhm plus 0.10 uH
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AC Line	100 to 240 V 50/60 Hz plus or minus 10 percent; 100 to 120 V also 400 Hz; auto ranging
Operating Temperature	0 to plus 40 C
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Notes

Numeric rows from Keysight IntegraVision PA2200 Series Power Analyzers data sheet 5992-0324EN model PA2203A.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.