



PICOTEST®

Universal Counter U6200A

Leading your technique crossing limit.



- 350MHz bandwidth
- 12 digits resolution with 1s gate time
- 35ps time domain function resolution.
- USB, Ethernet 10M/100M and GPIB (option) interface.
- Multi-parameter display and graphical presentation of results
- For high frequency measurement: offers an optional third channel that provides measurements over 12.4GHz

Excellence

PICOTEST U6200A Universal Counter offers 12digits/sec frequency/period resolution and 35ps time domain function resolution. Its bandwidth can reach 350MHz or better. U6200A also provides convenient USB, Ethernet 10M/100M and GPIB (option) interface for user. In addition, the optional third channel of U6200A can provide measurements over 12.4GHz.

Ease

U6200A features an intuitive user interface and offers shortcut keys to access frequently used functions. As a result, you can get accurate measurements quickly and easily.

Economy

The PICOTEST corp. Delivers innovative levels of performance at an affordable price. You do not have to buy a far more expensive instrument anymore.

Excellence Ease Economy



TIME BASE

TIME BASE Internal Time Base Stability

temperature stability (referenced to 25 °C)	Standard (0°C to 50 °C) 1X10 ⁻⁶
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INSTRUMENT INPUTS & INPUT SPECIFICATIONS

Channel 1&2

Frequency Range

DC Coupled	DC to 350MHz
AC coupled	100KHz to 350 MHz(50Ω) 20Hz to 350 MHz (1MΩ)

Voltage Range Sensitivity (Sinusoid)

DC to 350 MHz	20 mVrms to ± 5 Vac + dc
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Trigger Level

Range	5V
Resolution	5 mv

Damage Level

50Ω	12 Vrms
0 to 3.5KHz, 1 MΩ	350 Vdc +ac pk
3.5 KHz to 100KHz, 1MΩ	350 Vdc +ac pk linearly derated to 12Vrms
>100KHz, 1MΩ	12 Vrms

Trigger Slope

Positive or Negative

Auto Trigger Level

Range	0 to 100% in 10% steps
Frequency	>50Hz
Input Amplitude	>100mVpp(no amplitude modulation)

Attenuator

Voltage Range	x10
Trigger Range	x10

External Arm Input Specification

Signal Input Range TTL COMPATIBLE

Timing Restrictions

Pulse Width	> 50 ns
Transition Time	< 250 ns
Start-to-stop Time	> 50 ns

External Arm Input Characteristics

Impedance	1KΩ
Input Capacitance	17 pF
Start/stop Slope	Positive or Negative

External Time Base Input Specification

Voltage Range	200 mVrms to 10Vrms
Damage Level	10 Vrms (centered around 0V)
Frequency	10 MHz

Time Base Output Specifications

Output Frequency	10MHz
Voltage Range	>1Vpp into 50Ω (centered around 0V)

MEASUREMENT SPECIFICATIONS

Channel 1&2

Period

Range	1.5ns to 10s
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Frequency Ratio

Measurement is specified over the full signal range of each input.	
Results Range	10 ⁻¹⁰ to 10 ¹¹

Time Interval

Measurement is specified over the full signal ranges of Channels 1&2.	
Results Range	-1ns to 10 ⁵ s

Phase

Measurement is specified over the full signal ranges of Channels 1&2.	
Results Range	-180° to +360°

Rise / Fall Time

Trigger	Default setting is Auto Trigger at
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	10% and 90%
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Results Range	1.5ns to 10 ⁵ s
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Pulse Width

Results Range	1.5ns to 10 ⁵ s
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*Time Domain Resolution 35ps

Totalize

Measurement is specified over the full signal range of Channel 1.	
Results Range	0 to 10 ¹⁵
Resolution	±1 count

Dimension & Weight

85(H)X210(W)X350(D)mm.
Approx.4.08kg

Area Agency

Test Equipment Depot - 800.517.8431 - 99 Washington Street Melrose, MA 02176

FAX 781.665.0780 - TestEquipmentDepot.com



Picotest Crop

Specifications are subject to change without notice due to design improvements.

Date
2005/09