

TEKTRONIX

P6205

The Tektronix P6205 is an active 10X FET oscilloscope probe designed for high-frequency measurements up to 750 MHz with minimal circuit loading. Utilizing a TEKPROBE Level 2 interface, it communicates directly with compatible Tektronix oscilloscopes, which power the probe automatically and adjust scaling and termination settings accordingly.

SPECIFICATIONS

General

Interfaces	TEKPROBE Level 2 interface
Warm-up Time	20 minutes

Physical

Power Supply	Powered directly from compatible host instruments via TEKPROBE BNC interface
Operating Temperature	0 °C to +50 °C °C
Weight	0.26 kg (including cable and interface box) kg

Electrical Specifications

Bandwidth (-3 dB)	DC to 750 MHz
Rise Time	≤465 ps
Attenuation Ratio	10X
Input Resistance	1 MΩ
Input Capacitance	2 pF
Linear Input Range	±10 V
Linearity Error	≤1.5% over the dynamic range of -10 V to +10 V
Propagation Delay	6.72 ns ±200 ps (measured at waveform 50% points)
DC Thermal Drift	≤100 μV/°C
DC Thermal Drift (on screen)	≤1 mV/°C
Output Load Requirement	50 Ω ±0.5%
Maximum Non-Destructive Input Voltage	40 VDC + peak AC

Physical & Mechanical

Probe Tip Contact	Gold-plated replaceable probe tips
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Safety & Compliance

Safety Certifications	UL Listed (UL 1244)
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Standard Accessories

Standard Accessories Included	Retractable-hook tip, IC protector tip, ground sleeve tip cover, long ground leads, low-inductance spring-tip ground contact, retractable KlipChip
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Environmental

Storage Temperature	-55 °C to +75 °C
Operating Altitude	Up to 4,570 m (15,000 ft)
Storage Altitude	Up to 15,240 m (50,000 ft)

Physical Characteristics

Cable Length	1.5 m
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Performance

DC Attenuation Accuracy	±1.5% (probe only)
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Inputs & Outputs

Input Coupling	DC
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TECHNOLOGY

Active FET

APPLICATIONS

High-frequency oscilloscope signal probing

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.