

**Product Portfolio**

- [Probes](#)
- [Optical Products](#)
- [Application Software](#)
- [Network Interface](#)
- [Scope Accessories](#)
- [Meter Accessories](#)
- [Lookup By Name](#)

**Resources For You**

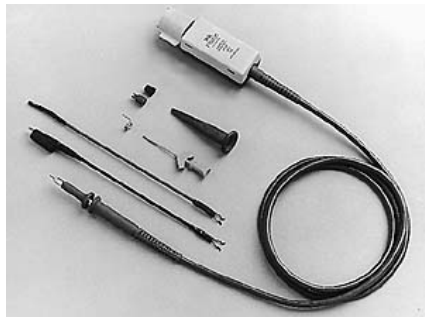
- [Application Notes](#)
- [Support Tools](#)
- [Service](#)

**What's New**

- [News & Events](#)

**Contact Us**

- [Feedback](#)
- [Where To Buy](#)

**P6205** - P6205 with Accessories.[▶ Features](#)[Specs](#)[Ordering Information](#)[Pricing Information](#)[Request a Quote](#)

## Active FET Probes

### P6205 \* 1103

**Features****P6205**

- DC to 750 MHz
- 2 pF Input C
- 1 Megaohm Input R
- Low Price
- Integral Probe Power TEKPROBE BNC

**1103**

- Powers up to Two Probes
- For Use with P6203, P6205, P6231, P6243, P6245, P6701B, P6703B, P6711, P6713, P6723, P6246, P6247, P6248, P6249, P5205, P5210, ADA400A on NonTEKPROBE Tektronix Interfaced Scopes\*<sup>1</sup>
- Overload Protected

**Applications**

- High-speed Digital Systems Design
  - ECL
  - GaAs
  - MOS: CMOS; FastCMOS; BiCMOS; TTL
- Component Design/Characterization
  - Amplitude levels
  - Aberrations
  - Propagation Delay and Timing
  - Bandwidths and Rise Times
- Educational Research
- Manufacturing Engineering and Test

**Active FET Probes for TEKPROBE BNC Interface**

The P6205 Probe is part of Tektronix' line of Low Circuit Loading Signal Acquisition probes for CSA (Communications Signal Analyzers), DSA (Digitizing Signal Analyzers), 11000 Series and the TDS Family of Oscilloscopes.

The P6205 is designed with FET devices for its inputs, which allows very high input resistance values and low input capacitances.



The P6205 provides low input capacitance and high input resistance performance at a budget price.

Both Active FET probes provide a wide linear dynamic input range for accessing most digital device families using today's logic voltage levels.

Power for the P6205 is supplied by the CSA, DSA, TDS and 11000 Series mainframes through the TEKPROBE BNC Interface, eliminating the need for extra cabling and/or external power supplies.\*2

Probe information such as type, serial number, attenuation factor, offset scale factor, input resistance and termination resistance required is communicated through the TEKPROBE Interface between the Active Probe and the CSA, DSA and 11000 Series mainframes. This information is used by these oscilloscope mainframes during the scope initialization sequence and measurement analysis.

This active probe may also be use with 50 Ohm or 1 megaohm oscilloscope systems, with conventional BNC interfaces, via the Tektronix 1103 TEKPROBE® Power Supply. The 1103 has dual TEKPROBE power supply inputs, dual BNC signal outputs and dual voltage offset on/off switches and potentiometers.

#### Benefit Highlights

- **Low Input C, High Input R** - Minimizes circuit under test loading
- **Probe Power Directly from CSA, DSA, TDS or 11000 Series TEKPROBE BNC Interfaces** - Means no additional cables or power supplies required\*2
- **Variable DC Offset (Except P6205)** - Allows correction for DC levels to bring the signal into the probe's dynamic measurement range
- **Readout Coding for 10X Attenuation** - Reduces confusion and errors in measurement readings
- **Gold-plated Replaceable Probe Tips** - Improved electrical connections and lower maintenance costs
- **Miniature Size Accessories** - Provides wide range of circuit attachments
- **UL Listed** - Third party certification for safe operation

\*1 The characteristics for TEKPROBE Interface probes are subject to change when used with the 1103 TEKPROBE Power Supply. Bandwidth, Rise-time, Propagation Delays will generally differ from the advertised specification of the Probe Only.

\*2 To use these TEKPROBE BNC Interface Probes on the 11800 or CSA800 Series requires an 1103 TEKPROBE Power Supply, an SMA Male to BNC Female adapter and a 50 Ohm BNC cable.

 [Top of Page](#)

> [Features](#)

[Specs](#)

[Ordering Information](#)

[Pricing Information](#)

[Request a Quote](#)



Tektronix Measurement products are manufactured in ISO registered facilities.



P6205 Exempt

49A-10733-4p517, 06/1997, 08/03/2000

---

#### Tektronix Site

[Home](#) | [Products](#) | [Support](#) | [Sitemap](#) | [Search](#)

© Copyright Tektronix, Inc | [webmaster@tek.com](mailto:webmaster@tek.com)