8000 Series TekConnect® Probe Interface

▶ 80A03

▶ **Features & Benefits**

Interfaces Tektronix P7000 Series High-performance Active and Differential Probes to CSA/TDS8000 Series Sampling Oscilloscopes

Enables True-differential Probing Using the Tektronix P7350 and P7350SMA 5 GHz Differential Probes

Allows Easy Probing of SMDs with the Small Head Design of P7000 Series Probes and Numerous Adapters and Accessories

Seamless Integration
– Automatically Scales Measurement for Probe Attenuation Setting
– Requires No User Adjustments
– Powered Through the Oscilloscope Interface – Requires No External Power Cord

Integrated Extender Cable Plugs into any of the Four Electrical Sampling Module Slots

Upgradeable to Future Higher-bandwidth Active and Differential Probes

▶ **Applications**

Communications (Gigabit Ethernet, Fibre Channel, InfiniBand)

Semiconductor Characterization & Validation (PCI-Express, Serial ATA, IEEE 1394, USB 2.0, RAMBUS, DDR)

High-speed Digital Systems Design

Component Design/Characterization

Manufacturing Engineering and Test

Probe Interface Module for the CSA/TDS8000 Series Oscilloscope

The 80A03 TekConnect® Probe Interface Module extends the capabilities of the CSA/TDS8000 series oscilloscope and makes debugging today's high-performance electrical and optical designs a little easier. Using the 80A03 with the CSA/TDS8000 series oscilloscope, design engineers can benefit from Tektronix industry-leading active and differential probes to measure signals on SMD pins and other challenging circuit features.

The 80A03 plugs into any of the four electrical sampling module slots on the CSA/TDS8000 and provides probe power and control for up to two Tektronix P7000 series probes. The seamless integration enables the CSA/TDS8000 oscilloscope to automatically adjust its scale factor to match the probe. The 80A03 is powered through the oscilloscope and requires no user adjustments or external power cords. The integrated extender cable places the probe near the circuit for easier probing without stretching the cables. An electrical sampling module is plugged directly into the slot on the 80A03 to provide the optimum signal fidelity and a short electrical path.

Tektronix High-performance Probing Solutions

Tektronix offers a variety of industry-leading active and differential probes. The P7260 6 GHz active probe offers the highest bandwidth available in a single-ended active probe. The P7350 5 GHz differential probe enables true differential probing of electrical signals. The P7350SMA 5 GHz differential probe provides a true-differential SMA input. Tektronix high-performance probes feature small probe heads and numerous adapters to provide a flexible and reliable connection to the device under test (DUT).

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The 80A03 supports the complete line of TekConnect probes including:

▶ **P7350 –** 5 GHz active differential probe

▶ **P7350SMA –** 5 GHz active differential probes with SMA inputs

▶ **P7330 –** 3.5 GHz active differential probe

▶ **P7260 –** 6 GHz active probe

▶ **P7240 –** 4 GHz active probe

▶ **P7225 –** 2.5 GHz active probe

▶ Characteristics

Probe Input Connectors – TekConnect probe interface compatible with P7000 series probes.

Signal Output Connectors – SMA.

Module Slot – Compatible with Tektronix 80Exx modules.

Input/Output Impedance – 50 Ω.

Physical Characteristics

Dimensions	mm	in.
Width	193	7.6
Height	89	3.5
Depth	198	7.8
Cable Length	914	36
Weight	**kg**	**lbs.**
Net	1.5	3.4

▶ Ordering Information

80A03

TekConnect Probe Interface Module.

Includes: User manual, 2 – SMA semi-rigid jumper cables.

Service Options

Opt. R3 – Repair Service 3 Years.

Opt. R5 – Repair Service 5 Years.

Recommended Probes

P7350SMA – 5 GHz Differential Probe with SMA inputs.

P7350 – 5 GHz Differential Probe.

P7330 – 3.5 GHz Differential Probe.

P7260 – 6 GHz Active Probe.

P7240 – 4 GHz Active Probe.

P7225 – 2.5 GHz Active Probe.

Our most up-to-date product information is available at:
www.tektronix.com

Product(s) are manufactured in ISO registered facilities. CE ISO 9001

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