



ABN 43 064 478 842

➤ 231 osborne avenue clayton south, vic 3169
PO box 1548, clayton south, vic 3169
t 03 9265 7400 f 03 9558 0875
freecall 1800 680 680
www.tmgtestequipment.com.au

Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the “Click-to-Call” logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



Click-to-Call
TMG Now



Disclaimer:

All trademarks appearing within this PDF are trademarks of their respective owners.

Tektronix Logic Analyzer

► P6800 and P6900 Series Probe Selection Guide



► Tektronix Logic Analyzer P68xx/P69xx Probe Selection Guide

	P6810	P6860	P6864	P6880	P6960	P6964	P6980	P6982
Logic Analyzer Used	TLA7AAx Logic Analyzer Modules TLA7ABx Logic Analyzer Modules TLA7NAx Logic Analyzer Modules							
Recommended Use	Recommended for most general-purpose uses that require maximum flexibility for single-ended or differential requirements	Recommended for applications requiring good signal density and quick, reliable attachment	Recommended for applications where high data rate signals in excess of 450 MHz requiring quick connect to a small footprint	Recommended for applications requiring full differential probing with good signal density and quick, reliable attachment	Recommended for applications requiring the best signal density and quick, reliable attachment or for general purpose probing with flying leads	Recommended for applications requiring the best signal density with data rates in excess of 450 MHz and the LA is acquiring with 4X demux requiring quick connect to a small footprint	Recommended for applications requiring full differential probing with the best signal density and a quick, reliable attachment	Recommended for applications requiring full differential with the best signal density with data rates in excess of 450 MHz and the LA is acquiring with 2X demux requiring quick connect to a small footprint
Attachment to Target System	Probe leadsets adapt to industry standard interfaces; leads spread over a wide area	Connectorless "compression" contact (Adapter for Mictor connector available)	"Compression" contact (Adapter for Mictor connector not recommended)	Connectorless "compression" contact	D-Max™ Probing Technology Connectorless "compression" cLGA with optional flying lead set	D-Max™ Probing Technology Connectorless "compression" cLGA		
Probe Type	General purpose, 34 channel active probe	High density, 34 channel active probe	17 channel probe, signals demuxed to 68 channels	High density, 34 channel active differential probe	High-density, 34 channel active probe (34-ch per probe head)	High-density, 34 channel active probe (34-ch per probe head)	High-density, 34-channel active differential probe (17-ch per probe head)	High-density, 17-channel active differential probe (17-ch per probe head)
Pin Spacing Supported	0.100 in. and 2 mm	N/A	N/A	N/A	0.100 in. and 2 mm with flying lead set	N/A	N/A	N/A
Logic Signals Supported	Differential Clock Differential Data	Differential Clock Single-ended Data	Differential Clock Single-ended Data	Differential Clock Differential Data	Differential Clock Single-ended Data	Differential Clock Single-ended Data	Differential Clock Differential Data	Differential Clock Differential Data
Simultaneous State/Timing to:	800 MHz/8 GHz							
Simultaneous State/Timing/Analog to:	800 MHz/8 GHz/2 GHz							

Tektronix Logic Analyzer

► P6800 and P6900 Series Probe Selection Guide

Contact Tektronix:

ASEAN / Australasia / Pakistan (65) 6356 3900

Austria +41 52 675 3777

Balkan, Israel, South Africa and other ISE Countries +41 52 675 3777

Belgium 07 81 60166

Brazil & South America 55 (11) 3741-8360

Canada 1 (800) 661-5625

Central East Europe, Ukraine and the Baltics +41 52 675 3777

Central Europe & Greece +41 52 675 3777

Denmark +45 80 88 1401

Finland +41 52 675 3777

France & North Africa +33 (0) 1 69 86 81 81

Germany +49 (221) 94 77 400

Hong Kong (852) 2585-6688

India (91) 80-22275577

Italy +39 (02) 25086 1

Japan 81 (3) 6714-3010

Luxembourg +44 (0) 1344 392400

Mexico, Central America & Caribbean 52 (55) 56666-333

Middle East, Asia and North Africa +41 52 675 3777

The Netherlands 090 02 021797

Norway 800 16098

People's Republic of China 86 (10) 6235 1230

Poland +41 52 675 3777

Portugal 80 08 12370

Republic of Korea 82 (2) 528-5299

Russia & CIS 7 095 775 1064

South Africa +27 11 254 8360

Spain (+34) 901 988 054

Sweden 020 08 80371

Switzerland +41 52 675 3777

Taiwan 886 (2) 2722-9622

United Kingdom & Eire +44 (0) 1344 392400

USA 1 (800) 426-2200

For other areas contact Tektronix, Inc. at: 1 (503) 627-7111

Updated 15 June 2005

► Tektronix Logic Analyzer P68xx/P69xx Probe Selection Guide (cont.)

	P6810	P6860	P6864	P6880	P6960	P6964	P6980	P6982
Minimum Signal Amplitude	300 mV _{pk-pk}							
Minimum Single-ended Differential	$V_{\max} - V_{\min}$ 150 mV							
Probe Load AC/DC	0.7 pF/20 kΩ to Ground				0.5 pF/20 kΩ to Ground			
Notes	Works with a wide-range of industry-standard accessories for flexible attachment to your target system		No connector required – only land pads required to be laid out on target system PCB for 17 and/or 34 channels. Please refer to P68xx probe manual		No connector required – only land pads required to be laid out on target system PCB for 34 channels. Please refer to P69xx probe manual. Via-in-pad supported. For design guidelines please refer to P69xx probe manual		No connector required – only land pads required to be laid out on target system PCB for 17 channels. Please refer to P69xx probe manual. Via-in-pad supported. For design guidelines please refer to P69xx probe manual	

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

Product(s) are manufactured in ISO registered facilities.



Copyright © 2005, Tektronix, Inc. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX and TEK are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.

9/05 DV/WOW

52W-17869-3

Tektronix
Enabling Innovation