Test Equipment Solutions Datasheet

Test Equipment Solutions Ltd specialise in the second user sale, rental and distribution of quality test & measurement (T&M) equipment. We stock all major equipment types such as Spectrum Analyzers, Signal Generators, Oscilloscopes, Power Meters, Network Analyzers etc from all the major suppliers such as Keysight, Tektronix, Anritsu and Rohde & Schwarz.

We are focused at the professional end of the marketplace, primarily working with customers for whom high performance, quality and service are key, whilst realising the cost savings that second user equipment offers. We fully test & refurbish equipment in our in-house, traceable Lab. Items are supplied with manuals, accessories and typically a full no-quibble 1 year warranty. Our staff have extensive backgrounds in T&M which enables us to deliver industry-leading service and support. We endeavour to be customer focused in every way right down to the detail, such as offering free delivery on sales, presenting flexible technical + commercial solutions and supplying a loan unit during warranty repair, if available.

As well as the headline benefit of cost saving, second user offers shorter lead times, higher reliability and multivendor solutions. Rental, of course, is ideal for shorter term needs and offers fast delivery, flexibility, try-before-you-buy, zero capital expenditure, lower risk and off balance sheet accounting. Both second user and rental improve the key business measure of Return On Capital Employed.

We are based in at Oakley, Bedfordshire in the UK from where we supply test equipment worldwide. Our facility incorporates Sales, Support, Admin, Logistics and our own in-house Lab.

All products supplied by Test Equipment Solutions include:

- No-quibble parts & labour warranty (we provide transport for UK mainland addresses).
- Free loan equipment during warranty repair, if available.
- Full electrical, mechanical and safety refurbishment in our 40GHz in-house Lab.
- Certificate of Conformance (calibration available on request).
- Manuals and accessories required for normal operation.
- Free insured delivery to your UK mainland address (sales).
- Support from our team of seasoned Test & Measurement engineers.
- ISO9001 quality assurance.

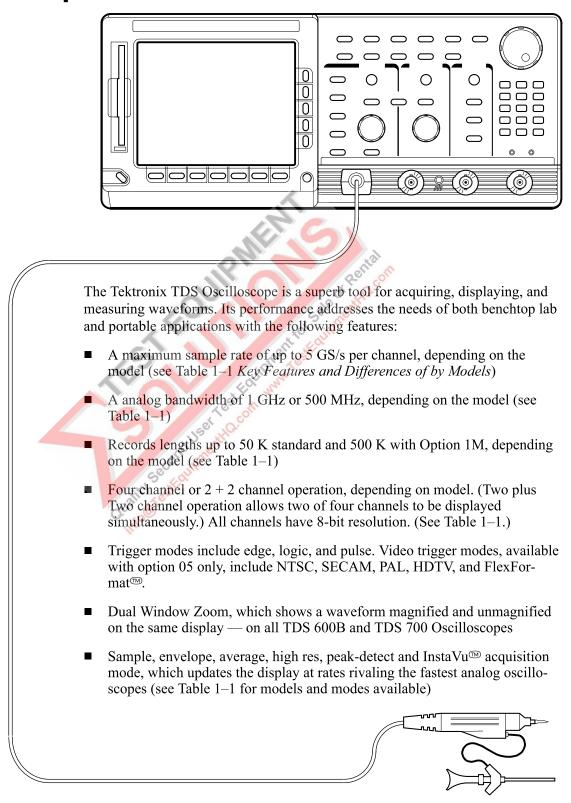
Test Equipment Solutions Ltd Unit 3 Highfield Court Highfield Road Oakley Bedfordshire MK43 7TA

Telephone: 01183 800 800

Email: info@TestEquipmentHQ.com Web: www.TestEquipmentHQ.com



Product Description



Differences by Model

Table 1–1 lists some key TDS features and relates them to the different TDS models that this manual covers.

Feature	520B	540B	620B	644B	680B	684B	724A	754A	782A	784A	
No. of channels	2+2 ¹	4	2 + 2 ¹	4	2 + 2 ¹	4	2 + 2 ¹	4	2 + 2 ¹	4	
Digitizing rate, max.	1 GS/s	1 GS/s 2 GS/s ²		2.5 GS/s		5 GS/s		2 GS/s	2 GS/s	4 GS/s	
No. of Chs. @ max. rate	1		2	4	2	4	1	2		1	
Analog Bandwidth	500 MHz			1	10	iHz	500 MHz		1 GHz		
Record Lengths, max.	To 50K/Channel ³			To 15K/Channel			To 50K/Channel ³				
InstaVu Acquisitions	Yes			No			Yes				
Hi Res Acquisitions	Yes		No			Per Yes					
Advanced DSP Math ⁴	Opt. 2F			Std. ⁵	Opt. 2F		Std.				
Storage, Floppy Disk	Opt. 1F			Std.	Opt. 1F	Opt. 1F Std.					
I/0 includes RS–232 and Centronics ⁶	Opt. 13			Std.	Opt. 13	Opt. 13 Std.					
Display		Mono	Vo	Color	Mono	and and a second s		Color			

Table 1–1: Key Features and Differences of Models

- ¹ Two plus Two channel operation allows two of four channels to be displayed simultaneously. Channels not displayed can be used to couple a triggering signal to the oscilloscope.
- ² This TDS model can be purchased with Option 1G, which limits the maximum digitizing rate to 1GS/second. This option allows sales in export-controlled countries. See Option 1G on page A–1.
- ³ This TDS model can be purchased with Option 1M, which adds longer record length settings. See Option 1M on page A–2.
- ⁴ Advanced digital signal processing provides FFTs, integrals, and differentials of waveforms. See Option 2F on page A–4.
- ⁵ Std. denotes a standard product feature as opposed to a feature included as part of an option.
- ⁶ GPIB I/O included with all models.

Product Specification

The product specification is found in the technical reference *TDS 500B*, *TDS 600B*, & *TDS 700A Technical Reference (Performance Verification and Specifications)* that is shipped as a standard accessory with the TDS Oscilloscope.