

TBS1000 Series vs. Uni-T UTD2000CEL Series

Competitive Fact Sheet

Ease of Use

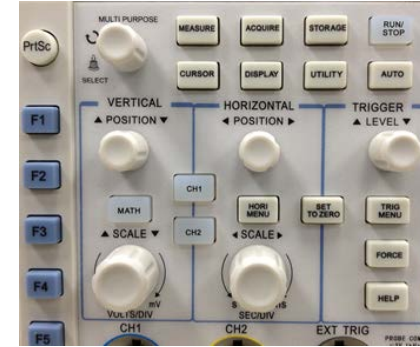
Tektronix TBS1000 Series

- ✓ Dedicated vertical controls for each channel
- ✓ “Single” button for single trigger operation and “Default Setup” button for default setup recall
- ✓ No menu has more than 2 pages
- ✓ Indexed, context-sensitive help system with hyperlinks works like a built-in manual
- ✓ Probe Check button to quickly verify that the voltage probe is operating properly
- ✓ Trig View button to see how the trigger settings affect the trigger signal
- ✓ AutoRange button adjusts controls to produce a usable display of the input signal



Uni-T UTD2000CEL Series

- ✗ Vertical controls are multiplexed
- ✗ No dedicated button for single trigger and default setup recall, need go to 2nd level menu to enable
- ✗ Menus can have up to three pages. For example, the utility menu includes 9 different settings.
- ✗ No help index and no hyperlinks make it difficult to jump between topics.
- ✗ No probe check function
- ✗ No trig view function
- ✗ No AutoRange function



Portability and Work Environment

Tektronix TBS1000 Series

- ✓ 2.0 kg weight
- ✓ Silent operation
- ✓ Operating from 0 C to +50 C
- ✓ 30 W max power consumption

Uni-T UTD2000CEL Series

- ✗ 2.2 kg weight
- ✗ Contains a cooling fan
- ✗ Operating from 0 C to +40 C
- ✗ 50 VA max power consumption



Key Specifications Comparison

	Tektronix TBS1000 Series		Uni-T UTD2000CEL Series	
Channels	✓	2	✓	2
Bandwidth (MHz)	✓	25, 40, 60, 100, 150	✗	50, 100
Max. Sample Rate (All channels on)	✓	BW ≤ 40MHz: 500 MS/s BW > 40MHz: 1 GS/s	✓	1 GS/s
Max. Record Length (All channels on)	✗	2.5k points	✓	512k points
Display size	✗	5.7" color LCD	✓	7" color LCD
Data Logging	✓	Support	✗	N/A
Included software	✓	OpenChoice	✗	N/A
Interfaces	✓	USB, Optional GPIB	✗	USB device only
Warranty	✓	5 years	✗	3 years

TBS1000 Series vs. Uni-T UTD2000CEL Series

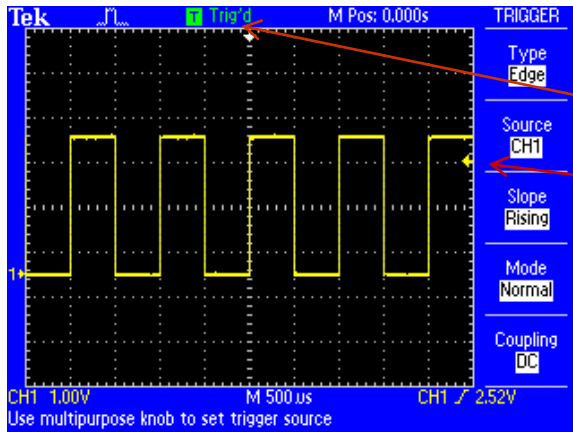
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Clear Trigger State Indication

TBS1000: Accurately Indicates Trigger States

UTD2000CEL: Trigger States are Unclear

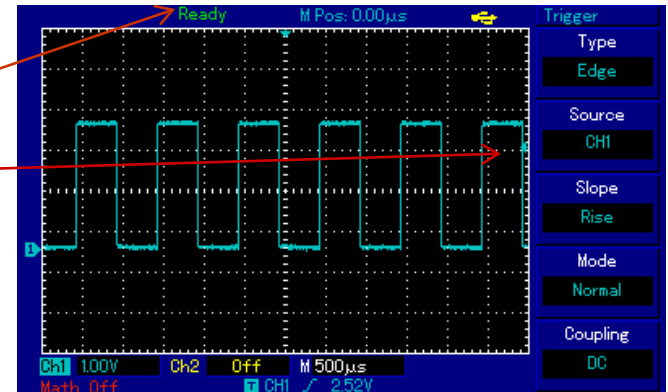
UTD2102CEL Probe Comp Signal
applied to both instruments



"Trig'd"
indicates trigger
condition is met

"Ready" indicates
trigger condition is
not met

Trigger level



Advanced Features for Embedded Design

Tektronix TDS2000C Series

- ✓ Higher bandwidth models available up to 200MHz
- ✓ 4 channels available on 70MHz, 100MHz, 200MHz models
- ✓ Higher sample rates available up to 2GS/s
- ✓ Limited lifetime warranty (at least 10 years)
- ✓ Supports NI LabVIEW SignalExpress

Tektronix MSO2000B and DPO2000B Series

- ✓ Wave Inspector® Navigation and Search for efficient evaluation of records up to 1 million points
- ✓ 7-inch TFT Display
- ✓ Decode, search and trigger on serial buses like I²C, SPI, RS-232 and others
- ✓ 16 digital channels (MSO Series)