

[illegible]

Storage w/o USB Flash Drive	(2) 2.5 K point	(2) 2.5 K point	(2) 2.5 K point	(2) 2.5 K point	(4) 2.5 K point	(2) 2.5 K point	(4) 2.5 K point	(2) 2.5 K point	(4) 2.5 K point
Waveform Storage with USB Flash Drive	96 or more reference waveforms per 8 MB								
Setups w/o USB Flash Drive	10 front panel setups								
Setups with USB Flash Drive	4000 or more front panel setups per 8 MB								
Screen Images with USB Flash Drive	128 or more screen images per 8 MB (the number of images depends on file format selected)								
Save All with USB Flash Drive	12 or more Save All operations per 8 MB. A single Save All operation creates 3 to 9 files (setup, image, plus one file for each displayed waveform)								

*² Bandwidth is 20 MHz at 2 mV/div, all models

Acquisition Modes

Peak Detect - High frequency and random glitch capture. Captures glitches as narrow as 12 ns (typical) using acquisition hardware at all time base settings from 5 μ s/div to 50 s/div.

Sample - Sample data only.

Average - Waveform averaged, selectable: 4, 16, 64, 128.

Single Sequence - Use the Single Sequence button to capture a single triggered acquisition sequence at a time.

Roll Mode - At acquisition time base settings of >100 ms/div.

Trigger System

Trigger Modes - Auto, Normal, Single Sequence.

Trigger Types

Edge (rising / falling) - Conventional level-driven trigger. Positive or negative slope on any channel. Coupling selections: AC, DC, Noise Reject, HF Reject, LF Reject.

Video - Trigger on all lines or individual lines, odd/even or all fields from composite video, or broadcast standards (NTSC, PAL, SECAM).

Pulse Width (or Glitch) - Trigger on a pulse width less than, greater than, equal to, or not equal to, a selectable time limit ranging from 33 ns to 10 s.

Trigger Source

2-channel models - CH1, CH2, Ext, Ext/5, AC Line.

4-channel models - CH1, CH2, CH3, CH4, Ext, Ext/5, AC Line.

Trigger View

Displays trigger signal while trigger view button is depressed.

Trigger Signal Frequency Readout

Provides a frequency readout of the trigger source.

Cursors

Types - Amplitude, Time.

Measurements - $[\Delta]T$, $1[\Delta]T$ (frequency), $[\Delta]V$.

Automatic Waveform Measurements

Period, Frequency, +Width, -Width, Rise Time, Fall Time, Max, Min, Peak-to-Peak, Mean, Cycle RMS.

Waveform Math

Operators -

Add, Subtract, Multiply, FFT.

FFT -

Windows, Hanning, Flat Top, Rectangular, 2048 sample points.

Sources -

2-channel models: CH1 - CH2, CH2 - CH1, CH1+CH2, CH1xCH2

4-channel models: CH1 - CH2, CH2 - CH1, CH3 - CH4, CH4 - CH3, CH1 + CH2, CH3 + CH4, CH1 x CH2, CH3 x CH4

Autoset Menu

Single-button, automatic setup of all channels for vertical, horizontal and trigger systems, with undo Autoset.

Signal Type	Autoset Menu Choices
Square Wave	Single-cycle, Multi-cycle, Rising or Falling Edge
Sine Wave	Single-cycle, Multi-cycle, FFT Spectrum
Video (NTSC, PAL, SECAM)	Field: All, Odd or Even Line: All or Selectable Line Number

Autorange

Automatically adjust vertical and/or horizontal oscilloscope settings when probe is moved from point to point, or when the signal exhibits large changes.

Display Characteristics

Display -

Color models: ¼ VGA passive color LCD with color on black background with adjustable multi-level contrast.

Monochrome models: ¼ VGA backlit passive LDC with adjustable multi-level contrast and inverse video selectable from front panel.

Interpolation -

$\sin(x)/x$.

Display Types -

Dots, vectors.

Persistence -

Off, 1 s, 2 s, 5 s, infinite.

Format -

YT and XY.

Environmental and Safety

Temperature - Operating: 0 °C to +50 °C.

Non-operating: -40 °C to +71 °C.

Humidity - Operating and Non-operating: up to 80% RH at or below +40 °C. Operating and Non-operating: up to 45% RH up to +50 °C.

Altitude - Operating and Non-operating: up to 3,000 m.

Electromagnetic Compatibility - Meets Directive 89/336/EEC, amended by 93/68/EEC, meets or exceeds EN55011 Class A Radiated and Conducted Emissions; FCC 47 CFR, Part 15, Subpart B, Class A; Australian EMC Framework, demonstrated per Emission Standard AS/NZS 2064; Russian GOST EMC regulations.

Safety - UL610100-1:2003, CSA22.2 No. 61010-1:2003, EN61010-1:2001, IEC61010-1:2001.

Physical Characteristics

Instrument		
Dimensions	mm	in.
Width	326.3	12.85
Height	158.0	6.22
Depth	124.2	4.89
Weight	kg	lbs.
Instrument only	2.0	4.4
with accessories	2.2	4.9
Instrument Shipping		
Package Dimensions	mm	in.
Width	476.2	18.75
Height	266.7	10.5
Depth	228.6	9.0
RM2000B Rackmount	mm	in.
Width	482.6	19.0
Height	177.8	7.0
Depth	108.0	4.25