

Spectrum Analyzer

- Frequency Axis
 - •Record length: 32,64,128,256,512,1024,2048, 4096 bins
 - •Frequency range: adjustable between 50 MHz - 50 MHz
 - •Magnification: adjustable between 1 and ±50 (depends on display size)
 - •Axis type: linear, logarithmic, in octaves, in thirds of octaves
- Vertical
 - •Sensitivity: 100 mV to 80 V full scale in 2-4-8 sequence & autoranging
 - •Coupling: AC /DC selectable through menu, button and keyboard
 - •Hardware offset: -2 *input range ..+2 *input range
 - •Software offset: -input range +input range, mouse controlled
 - •Software gain: 0.25 to 4, mouse controlled
 - •Software invert: yes
 - •Measurement unit: 12 presets and user definable
 - •Axis type: linear /logarithmic
 - •Axis re-definable: yes
- Measuring
 - •Channels: Ch1, Ch2, Ch1 and Ch2
 - •Single shot: yes
 - •Averaging: 1 -256 measurements
 - •Measuring max.: values yes
 - •Total Harmonic Distortion: yes, up to 100 harmonics (selectable) in % and dB
 - •Isolation of harmonics: yes
 - •Windowing functions: rectangle, Hamming, Hanning, Bartlett, Parzen, Blackman
- Cursors: two pair horizontal and vertical
 - •Vertical readout: voltage left, voltage right, voltage difference
 - •Horizontal readout: frequency left, frequency right, frequency difference
 - •THD: yes
 - •Other: features selectable between free adjustable and waveform based readout window fully configurable
- Reference Channels: 2,one for each live channel
 - •Individually selectable: yes
 - •Scaleable to live signals: yes
- Miscellaneous
 - •Save/recall waveforms: yes
 - •File type: binary/ascii
 - •Save/restore settings: yes
 - •Hardcopy: yes, color/black
 - •Hardcopy preview: yes
 - •Measurement comment: yes, 3 lines of 80 characters
 - •Text balloons: yes, fully configurable

Voltmeter

- Display
 - •Per channel: 0 - 3
 - •Measurements: True RMS, Peak to peak, Mean, Max, Min, dBm, Power, Crest factor, frequency, duty cycle
 - •Displayed value: Ch1, Ch2, Ch1+Ch2, Ch1-Ch2, Ch2-Ch1, Ch1*CH2, Ch1/Ch2, Ch2/Ch1, Min, Max, > then HI, < then LO, <> HI LO, ><COMP, log Ch1/Ch2), log(Ch2/Ch1)
- Measurement unit: Volt, Ampere, degrees C, degrees F, Watt, percent, Bar, Coulomb, Newton, Hertz, meter, kilogram
 - •Number of decimal figures: 0..5 and automatic
 - •Relative measuring: yes
 - •Bar graph: yes
 - •Measuring
 - •Channels: Ch1, Ch2, Ch1 and Ch2
 - •Single shot: yes
 - •Averaging: yes, 3 measurements
 - •Logging: disk or printer
 - •Logging speed: 0..300 sec between measurements
 - •Logic compare measurements: compare measured value to levels and show LO, HI, PASS or FAIL
 - •Compare levels: 2, LO and HI
 - •Measurements:
 - •> then HI
 - •< then LO
 - •<>LO HI
 - •><COMP
 - •Sounds: individual sounds assignable to LO, HI, PASS and FAILg Dimensions (not including connectors)

Transient Recorder

- Time Base
 - •Record length: adjustable between 10 samples and 32760 samples
 - •Sampling speed: adjustable between 2 mHz -100 Hz
 - •Magnification: adjustable between 1 and ±50 (depends on display size)
 - •Axis mode: adjustable between sample time and real time
- Vertical
 - •Sensitivity: 100 mV to 80 V full scale in 2-4-8 sequence
 - •Coupling: AC /DC selectable through menu, button and keyboard
 - •Hardware offset: -2 *input range..+2 *input range
 - •Software offset: -input range..+input range, mouse controlled
 - •Software gain: 0.25..4,mouse controlled
 - •Software invert: yes
- Measurement unit: 12 presets and user definable
 - •Axis re-definable: yes
 - •Measuring
 - •Channels: Ch1, Ch2, Ch1 and Ch2
 - •Scroll mode: roll mode, scan mode
 - •Auto disk logging: yes
 - •Auto start measuring: yes

- Cursors: two pair horizontal and vertical
 - •Vertical readout: voltage left, voltage right, voltage difference
 - •Horizontal readout: time left, time right, time difference, cursor frequency
 - •Measurements readout: True RMS, Peak to peak, Mean, Max, Min, dBm, Power, Crest factor, frequency, duty cycle
 - •Rise time readout: at left cursor, at right cursor
 - •Phase difference readout : degrees, rad, cos()
 - •Other features: selectable between free adjustable and waveform based automatic zero crossing detection readout window fully configurable
- Reference channels: 2,one for each live channel
 - •Individually selectable: yes
 - •Scaleable to live signals: yes
- Miscellaneous
 - •Save/recall waveforms: yes
 - •File type: binary/ascii
 - •Save/restore settings: yes
 - •Hardcopy: yes, color/black
 - •Hardcopy preview: yes
 - •Measurement comment: yes,3 lines of 80 characters
 - •Text balloons: yes, fully configurable
 - •Interpolation: yes, linear and quadratical

Ordering Information

- **TE-6100**
Digital Storage Oscilloscope, Spectrum Analyzer, Transient Recorder, Voltmeter

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