

Product Name :
TVET Oscilloscope

Product Code :
NLAB-EDUCATIONTVET32002



Description :

TVET Oscilloscope

Technical Specification :

Bandwidth 200MHz

Trigger Type Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I2C, SPI, RS232, and CAN (optional)

Sample Rate 1GS/s

Vertical Resolution (A/D) 14bits

Rise Time(at input, typical) 1.7ns

Display 8 inch TFT LCD, 800 x 600 pixels(optional Touch Screen display)

Horizontal Scale (s/div) 1ns/div~1000s/div, step by 1~2~5

Input Impedance 1M Ω $\pm$ 2%, in parallel with 15pF $\pm$ 5pF; 50 Ω $\pm$ 2%

DC Gain Accuracy $\pm$ 1%

DC Accuracy average $\pm$ 16: $\pm$ (3% reading+0.05 div) for delt V

Vertical Sensitivity 1 mV/div~10 V/div

Record length 40M

Waveform Refresh Rate 75,000 wfms/s

Channel 2+1 (external)

Channel Isolation 50Hz : 100 : 1, 10MHz : 40 : 1

Max Input Voltage 1M? 300Vrms; 50? 5Vrms

Probe Attenuation Factor 0.001X~1000X, step by 1~2~5

LF Respond (AC, -3dB) 5Hz (at input, AC coupling, -3dB)

Sample Rate / Relay Time Accuracy $\pm 1\text{ppm}$

Interpolation $\sin(x) / x$

Interval (ΔT) Accuracy (full bandwidth) Single: $\pm(1 \text{ interval time} + 1\text{ppm} * \text{reading} + 0.6\text{ns})$;

Average $> 16: \pm(1 \text{ interval time} + 1\text{ppm} * \text{reading} + 0.4\text{ns})$

Input Coupling DC, AC, and GND

Vertical Sensitivity 1mV/div - 10V/div (at input)

Naugralabequipments

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