

**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 $\Omega$   $\pm$  2%, in parallel with 15pF  $\pm$  5pF; 50 $\Omega$   $\pm$  2%

DC Gain Accuracy  $\pm$ 1%

DC Accuracy average?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  $\pm 1$ ppm

Interpolation  $\sin(x) / x$

Interval ( $\Delta T$ ) 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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