

Caddo[®]

2401/2405

Universal Scope Meters

Features

- DC to 5MHz (2405), 1MHz (2401) Oscilloscope Bandwidth
- Dual Channel and Auto Calibration.
- Automatic setting for Horizontal and Vertical Division.
- RS-232C interface for transferring Measurement Data and Waveform.
- Built-in Auto Ranging True-RMS Digital Multimeter
- Auto Ranging
- Data Hold and Run Mode.
- Back light Display and Low Battery Indication.
- Display Type :Super-Twist 132 × 128 pixels
- Designed to comply with Safety Standards for UL3111 CSA C22.2 No. 1010-1



Small and Powerful

Instruments for Measuring Data and Waveform

The programmable Universal Scope Meters offer enhanced features which most similar type test instruments in the market today do not have. All the functions are designed to be very convenient to use. You can quickly get used to working with these METERS and the great many functions integrated inside.

Technical Specifications

General :

- Band width : 5MHz (2405), 1 MHz (2401)
- Basic DC Accuracy : 0.3%
- Max. Voltage between any Input and Ground: DC or AC 600Vrms.
- Meter AC Band width : 20kHz
- Power Supply : NI-MH Battery 4.8V (1.2V × 4 cell)
- Battery Life Time :
4 Hours without Backlight on,
3 Hours with Backlight on.
- Battery Change Time : About 3 Hours
- Battery Change : Class - 2 transformer,
- Input : 120V AC 60Hz or 240V AC 60Hz
- Output : 9V DC 1 A
- Display Type : Super-Twist 132 × 128 pixels
- Dimensions :
90 mm (width) × 195 mm (depth) × 40 mm (height)
- Weight : 460 gm (approx.)

1. Oscilloscope Function

a) Horizontal

Sample Rate	25 MS/s (Dual CH mode) 50 MS/s (Single CH mode)
Record Length	512 single shot mode 256 in all modes
Sample/Division	25
Modes	Single shot, Roll, Normal
Accuracy	0.01%
Sweep Rate	1uS to 5S in 1,2,5 sequence

b) Vertical

Bandwidth	1MHz	
Resolution	8 Bit	
Channels	Dual	
Coupling	AC, DC	
Input impedance	1MΩ	
Accuracy	3%	
Max. Input Volts	DC or AC 600 Vrms	
Volt/Division	2401	0.5V to 500V in 1,2,5 sequence
	2405	50 mV to 500V in 1,2,5 sequence

C) Triggering

Type	CHA, CHB, External
Coupling	AC, DC
Slope	Rising (↑) or Falling (↓) edge
Internal Trigger Sensitivity	2/20 Division

D) Waveform Memory

Waveform Memory	16 Shots
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2. Digital MultiMeter Function

DC V

Range	Resolution	Accuracy	Impedance
5V	0.001V	±(0.3%+3)	1MΩ
50V	0.01V		
500V	0.1V	±(0.5%+5)	
1000V	1V		

AC V

Range	Resolution	Accuracy			Impedance
		50~450Hz	0.45k~5kHz	5k~20Hz	
3V	0.001V	±(0.75%+5)	±(2%+5)	±(2.5%+5)	1MΩ
30V	0.01V				
300V	0.1V			N/A	
750V	1V				

OHM

Range	Resolution	Accuracy	Overload Protection
5 kΩ	0.001 kΩ	±(0.5%+5)	600V DC or AC rms
50 kΩ	0.01 kΩ		
500 kΩ	0.1 kΩ		
5 MΩ	0.001MΩ	±(0.75%+10)	

Continuity Buzzer

Test Voltage	Threshold	Over Load Protection
1.7V	100 digits	600V DC or AC rms

Frequency

Range	Resolution	Accuracy	Overload Protection
100Hz	0.01Hz	±(0.05%+5)	600V DC or AC rms
1kHz	0.0001kHz		
10kHz	0.001kHz		
100kHz	0.01 kHz		
1MHz	0.0001MHz		
10MHz (2405)	0.001MHz		

The guaranteed range is below 5MHz.

RPM

Range	Resolution	Accuracy
240-60,000	1RPM	±(0.05%+5)

Pulse Width

Range
2μS-500ms (Pulse Width > 2μS)

% Duty

Range
25% - 75%

Subject to Change

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