

**S2401/S2405**

- 1MHz (S2401), 5MHz (S2405) bandwidth
- Dual Channel
- 50MS/s sampling rate
- 1mV/Div Vertical sensitivity
- Auto ranging Vertical and Horizontal scales
- Built-in auto/manual ranging 4000 count DMM
- DC to 1MHz bandwidth
- Hand held and battery operated
- Designed to UL3111, CSA C22.2 No 1010 standards
- RS-232 Port and supplied software
- User-friendly front panel

■ SPECIFICATIONS

Vertical (Oscilloscope)

Bandwidth: 1 MHz (S2401), 5 MHz (S2405)

Resolution: 8 bits

Number of Channels: 2

Coupling: AC and DC

Input Impedance: 1 M Ω

Accuracy: $\pm 3\%$

Max. Input Volts: 600V DC or AC rms

Vertical Sensitivity: (50mV/Div for S2405, 500mV/Div for S2401) to 500V/Div in a 1-2-5 sequences

Horizontal (Oscilloscope)

Sample Rate:

50 MS/s single channel

25 MS/s dual channel

Record Length:

512 bytes single shot and Glitch capture

256 bytes all other modes

Samples/Div: 25 samples

Update Rate: Real time

Modes: Single shot, roll mode, normal

Accuracy: $\pm 0.01\%$

Sweep Rate: 1 μ s/Div to 5s/Div in a 1-2-5 sequences

Memory: 16 waveforms and setups may be saved in memory

Triggering (Oscilloscope)

Trigger source: CH A, CH B, External

Coupling: AC, DC

Trigger sensitivity: 2/20 Division

Trigger Modes: Auto and Normal

Slope: Positive and Negative

DC Volts

(Digital Multimeter)

Ranges: 5V, 50V, 500V, 1000V

Best Resolution: 1mV

Accuracy: $\pm (0.3\% + 3D)$

Input Impedance: 1M Ω

AC Volts

Ranges: 3V, 30V, 300V, 750V

Best Resolution: 1mV

Accuracy:

$\pm (0.75\% + 5D)$ 40Hz to 450Hz

$\pm (2\% + 5D)$ 450Hz to 5KHz

$\pm (2.5\% + 5D)$ 5KHz to 20 KHz

Input Impedance: 1M Ω

Max. Input Volts: 600V DC or AC RMS

Ohms

Ranges: 5K Ω , 50K Ω , 500K Ω , 5M Ω

Best Resolution: 1 Ω

Accuracy: $\pm (0.5\% + 5D)$

Overload Voltage: 600V DC or AC peak

Continuity

Test Voltage: 1.7V

Threshold: 100 digits

Overload Voltage: 600V DC or AC peak

Frequency

Ranges: 100Hz, 1kHz, 10kHz, 100KHz, 1MHz, 10MHz

Best Resolution: 0.01Hz

Accuracy: $\pm (0.05\% + 5D)$

Overload Voltage: 600V DC or AC peak

RPM

Range: 240 to 60,000RPM

Resolution: 1 RPM

Accuracy: $\pm (0.05\% + 5D)$

Pulse Width

Range: 2 μ s to 500Ms (pulse width > 2 μ s)

Duty Cycle

Range: 25% to 75%

General Specifications

Power:

4.8V NiMH battery pack

120V to 9V @ 1Amp DC adapter

Battery Life:

4 hours without backlight

3 hours with backlight on

Display: 132 x 128 Pixel super twist LCD

Dimensions: 7.5" H x 3.5" W x 1.57" D

Weight: 1.5 lbs.

Standard Accessories: Manual, Carrying case, Test leads, Holster, RS-232 cable, Software, AC/DC charger

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