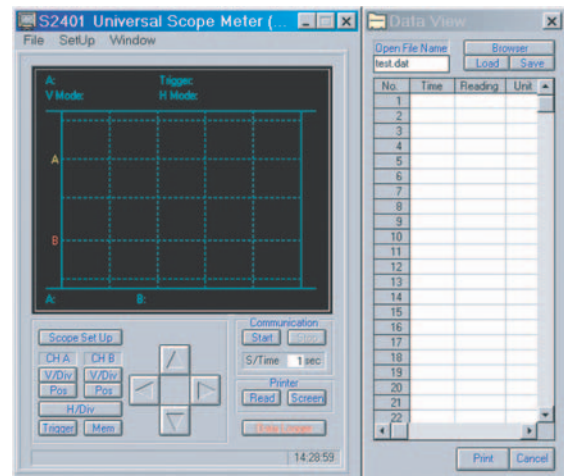


**S2401**

- Dual Channel
- 50MS/s sampling rate
- 500mV/Div Vertical sensitivity
- Auto ranging Vertical and Horizontal scales
- Built-in auto/manual ranging, True RMS, 4000 count DMM
- DC to 1MHz bandwidths
- 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: 1MHz
 Resolution: 8 bits
 Number of Channels: 2
 Coupling: AC and DC
 Input Impedance: 1M Ω
 Accuracy: $\pm 3\%$
 Max. Input Volts: 600V DC or AC RMS
 Vertical Sensitivity: 500mV/Div to 500V/Div in a 1-2-5 sequences

Horizontal (Oscilloscope)

Sample Rate:
 50MS/s single channel
 25MS/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 20KHz
 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 60,000 RPM
 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%

LCD Display

Size: 2.5" x 2.5"

General Specifications

Power:

4.8V NiMH battery pack
 120V to 9V @ 1A DC adapter

Battery Life:

4 hours without backlight
 3 hours with backlight on

Display: 132 x 128 Pixel super twist LCD

Size: 7.5" (H) x 3.5" (W) 1.57" (D)

Weight: 1.5 lbs

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