# 50MS/s, Hand-Held Scope Meter



- 1MHz (\$2401), 5MHz (\$2405) 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 $\Omega$  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: ±0.01%

Sweep Rate: 1µs/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 $\Omega$ 

#### AC Volts

Ranges: 3V, 30V, 300V, 750V Best Resolution: 1mV

Accuracy:

± (0.75% + 5D) 40Hz to 450Hz ± (2% + 5D) 450Hz to 5KHz

 $\pm$  (2.5% + 5D) 5KHz to 20 KHz Input Impedance: 1M $\Omega$ 

Max. Input Volts: 600V DC or AC RMS

#### Ohm:

Ranges:  $5K\Omega$ ,  $50K\Omega$ ,  $500K\Omega$ ,  $5M\Omega$  ,

Best Resolution:  $1\Omega$ 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: ± (0.05% + 5D)

Overload Voltage: 600V DC or AC peak

#### RPM

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

Pulse Width

Range: 2µs to 500Ms (pulse width > 2µs)

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 1.57" D

Weight: 1.5 lbs.

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