

ST83010

Auto-ranging pocket multimeter
(3 1/2 digits 2000 counts)



Specification

- Super slim & light design
- Auto range & manual range
- Auto power off selection
- Max. / data hold
- DCV : 0-200mV $\pm 0.7\%$ 2 / 20 / 200 / 600V $\pm 1.3\%$
- ACV : 0-2 / 20 / 200 / 600V $\pm 2.3\%$
- Resistance : 0-200 Ω / 2 / 20 / 200K Ω $\pm 2\%$ 2M Ω $\pm 5\%$ 20M Ω $\pm 10\%$
- Diode test function
- Continuity : $<60\Omega \pm 20\Omega$
- Low battery indicator
- Overload indicator : OL display
- Sampling rate : 3 times / sec.
- Dim. : 110 (H) x 56 (W) x 11.5 (D) mm
- Leather case

ST83015

Auto-ranging pocket multimeter
(3 3/4 digits 4000 counts)



Specification

- Auto power off selection
- Extra loud audible beeper
- DCV : 0-400mV $\pm 0.7\%$ 4 / 40 / 400 / 600V $\pm 1.3\%$
- ACV : 0-4 / 40 / 400 / 600V $\pm 2.3\%$
- Resistance : 0-400 Ω / 4 / 40 / 400K Ω $\pm 2\%$ 4M Ω $\pm 5\%$ 40M Ω $\pm 10\%$
- Capacitance : 0-4 / 40 / 400nF / 4 μ F $\pm 5\%$ 40 / 200 μ F $\pm 10\%$
- Frequency : 9.999 / 99.99 / 999.9Hz / 9.999 / 99.99KHz $\pm 0.7\%$
- Relative measurement function
- Diode test function
- Continuity : $<100\Omega$
- Low battery indicator
- Overload indicator : OL display
- Sampling rate : 3 times / sec.
- Dim. : 121 (H) x 68 (W) x 20 (D) mm

ST83016

Auto-ranging pocket multimeter
(3 3/4 digits 4300 counts)



Specification

- Auto power off selection
- DCV : 0-400mV $\pm 1.2\%$ 4V $\pm 0.7\%$ 40 / 400 / 600V $\pm 1.2\%$
- ACV : 0-4 / 40 / 400 / 600V $\pm 2\%$
- Resistance : 0-400 Ω / 4 / 40 / 400K Ω $\pm 1.2\%$ 4M Ω $\pm 2\%$ 40M Ω $\pm 5\%$
- Capacitance : 0-20nF / 200nF / 2 μ F $\pm 2\%$ 20 μ F / 200 μ F $\pm 10\%$
- One touch to zero set for capacitor
- Diode test function
- Continuity test : $<50\Omega \pm 2\Omega$
- Low power consumption
- Low battery indication
- Overload indicator : OL display on LCD & beep
- Sampling rate : 2 times / sec.
- Dim. : 117 (H) x 76 (W) x 18 (D)mm

ST83017

Hand held multimeter
(3 1/2 digits 2000 counts)



Specification

- DCV : 0-200mV / 2 / 20 / 200 / 600V $\pm 0.5\%$
- ACV : 0-200mV / 2 / 20 / 200V $\pm 1\%$ 600V $\pm 1.9\%$
- DCA : 0-2 / 20 / 200mA $\pm 1\%$ 10A $\pm 3\%$
- ACA : 0-2 / 20 / 200mA $\pm 2\%$ 10A $\pm 3.5\%$
- Resistance : 0-200 Ω / 2 / 20 / 200 / 2000K Ω $\pm 0.8\%$ 20M Ω $\pm 3\%$
- Capacitance : 0-2000pF / 20 / 200nF / 2 μ F / 20 μ F $\pm 2.0\%$
- Frequency : auto-ranging up to 20MHz $\pm 0.1\%$
- Diode test function
- Audible continuity check function
- hFE test function
- 500VDC / 500VAC rms overload protection in diode, ohm, frequency, continuity
- Dim. : 151 (H) x 70 (W) x 38 (D) mm
- Soft carrying case

ST83024C

Ruggedized multimeter
(3 1/2 digits 2000 counts)



Specification

- DCV : 0-20V $\pm 2\%$
- Resistance : 0-200 Ω / 2 / 20 / 200 / 2000K Ω $\pm 0.3\%$ 20M Ω $\pm 2\%$ 200 / 2000M Ω $\pm 5\%$
- Capacitance : 0-200pF / 2 / 20 / 200nF / 2 / 20 μ F $\pm 2\%$ 200 μ F to 20mF $\pm 3\%$
- Inductance : 0-200 μ H / 2 / 20 / 200mH / 2 / 20H $\pm 5\%$
- Frequency : auto-ranging up to 15MHz $\pm 0.1\%$
- Temp. : -20 $^{\circ}$ C ~ 500 $^{\circ}$ C $\pm 2\%$ 500 $^{\circ}$ C ~ 750 $^{\circ}$ C $\pm 3\%$
- Diode test function
- Continuity: <30 digits
- Signal output function
- 25VDC / 25VAC rms overload protection in DCV, diode, signal output, frequency
- Dim. : 200 (H) x 90 (W) x 40 (D) mm
- Holster

ST83037

Auto-ranging multimeter
(3 1/2 digits 2000 counts)



Specification

- 1000 Hours battery life
- DCV : 0-200mV $\pm 2\%$ 2 / 20 / 200 / 600V $\pm 0.5\%$
- ACV : 0-2 / 20 / 200 / 600V $\pm 1\%$
- DCA : 0-2 / 200mA $\pm 1\%$ 10A $\pm 3\%$
- ACA : 0-2 / 200mA $\pm 1.5\%$ 10A $\pm 3.5\%$
- Resistance : 0-200 Ω / 2 / 20 / 200 / 2000K Ω $\pm 0.8\%$ 20M Ω $\pm 3\%$
- Diode test function
- Continuity : $<700\Omega$
- 500VDC / 500VAC rms overload protection in diode, ohm, continuity
- Dim. : 132 (H) x 73 (W) x 34 (D) mm
- Soft carrying case

ST83050T

Professional auto-ranging multimeter
(3 3/4 digits 4300 counts)

**Specification**

- Provides : auto-hold
- Auto range & manual range
- Auto power off to preserve battery life
- DCV : 0-400mV / 4V $\pm 0.5\%$
40 / 400 / 600V $\pm 0.75\%$
- ACV : 0-4 / 40 / 400 / 600V $\pm 1\%$
- DCA : 0-400 / 4000 μ A / 40 / 400mA $\pm 1\%$
10A $\pm 2\%$
- ACA : 0-400 / 4000 μ A / 40 / 400mA $\pm 2\%$
10A $\pm 2.5\%$
- Resistance : 0-400 Ω / 4 / 40 / 400K
 $\pm 0.75\%$ 4M Ω $\pm 2\%$ 40M Ω $\pm 5\%$
- Diode test function
- Continuity : $\leq 50\Omega \pm 20\Omega$ (buzzer on)
- Overload protection
- Protection from big current
- Low battery indicator
- High accuracy
- Dim. : 155 (H) x 74 (W) x 31 (D) mm

ST83250T

True RMS multimeter
(3 5/6 digits 6700 counts)

**Specification**

- Provides : auto, data-hold
- Auto range & manual range
- Auto power off to preserve battery life
- DCV : 0-67 / 670mV / 6.7 / 67 / 670 / 1000V $\pm 0.09\%$
- ACV : 0-67 / 670mV / 6.7 / 67 / 670V $\pm 0.8\%$ 1000V $\pm 1\%$ on 40 to 1000Hz
- DCA : 0-670 / 6700 μ A / 67 / 670mA $\pm 0.2\%$ 6.7 / 10A $\pm 0.5\%$
- ACA : 0-670 / 6700 μ A / 67 / 670mA / 6.7 / 10A $\pm 0.6\%$ on 40 to 1000Hz
- Resistance : 0-670 Ω / 6.7 / 67 / 670K Ω $\pm 0.5\%$ 6.7M Ω $\pm 1.5\%$ 67M Ω $\pm 1.8\%$
- Capacitance : 0-20nF $\pm 1.5\%$ 200nF / 2 / 20 / 200 μ F $\pm 1.2\%$ 2mF $\pm 1.5\%$ 30mF $\pm 2\%$
- Frequency : auto-ranging up to 300KHz $\pm 0.1\%$
- Temp. : -200°C ~ -1370°C $\pm 0.5\%$
-328°F ~ -2498°F $\pm 0.5\%$
- dB V / dB m : -54 ~ -3(dBV) -13 ~ -60(dBV) ± 0.15 dB V -52 ~ -1(dBm) -11 ~ -62(dBm) ± 0.15 dB m on 40 to 1000Hz
- Diode test function
- Continuity : $< 30\Omega \pm 3\Omega$ (buzzer on)
- Overload protection with audible alarm
- Zero set for capacitance
- Simultaneous display of measuring and meter interior temperature
- Dim. : 188 (H) x 95 (W) x 52 (D) mm

ST83099

AC / DC clamp-on multimeter
(3 3/4 digits 3999 counts)

**Specification**

- Auto-ranging selection operation
- Ranges selective function
- Peak, Max., zero, data hold function
- DCV : 400mV / 4 / 40 / 400 / 600V $\pm 0.25\%$ (auto)
- ACV : 4 / 40 / 400 / 600V $\pm 0.75\%$
50 / 60Hz, $\pm 2\%$ 40 / 500Hz (auto)
- DCA : 400 / 700A $\pm 1.5\%$
- ACA : 400 / 700A $\pm 1.75\%$
50 / 60Hz, $\pm 3.5\%$ 40 / 500Hz
- Resistance : 0-400 Ω / 4 / 40 / 400K Ω $\pm 0.3\%$ 4000K Ω $\pm 0.5\%$ 40M Ω $\pm 2\%$ (auto)
- Capacitance : 0-4 / 40 / 400nF / 4 μ F $\pm 3\%$ 40 μ F $\pm 6\%$
- Frequency : auto-ranging up to 500KHz $\pm 0.1\%$
- Diode test function
- Continuity : $< 40\Omega \pm 20\Omega$ (audible indication)
- 600VDC / 600VAC rms overload protection in diode, ohm, frequency, continuity
- Dim. : 250 (H) x 100 (W) x 46 (D) mm
- Hard carrying case

ST839002

AC/DC clamp-on multimeter
(3 3/4 digits 3999 counts)

**Specification**

- Provides: data-hold, relative (zero Δ)
- Auto power off to preserve battery life
- DCV : 400mV / 4 / 40 / 400 / 600V $\pm 0.5\%$
- ACV : 400mV / 4 / 40 / 400 / 600V $\pm 1\%$
- DCA : 400A / 600A $\pm 1.5\%$
- ACA : 400A / 600A $\pm 1.5\%$ on 50 to 60Hz, $\pm 3.5\%$ on 40 to 500Hz
- Resistance : 0-400 Ω / 4 / 40 / 400K Ω / 4M Ω $\pm 1\%$ 40M Ω $\pm 3\%$
- Capacitance : 0-40 / 400nF / 4 / 40 100 μ F $\pm 3\%$
- Frequency : auto-ranging up to 5MHz $\pm 0.1\%$
- Diode test function
- Continuity : $< 5\Omega$ (threshold)
- 600VDC / 600VAC rms overload protection in diode, ohm, frequency, capacitance, continuity
- Dim. : 233 (H) x 80 (W) x 43 (D) mm
- Hard carrying case

ST83950

Coating thickness gauge gun-type
(3 1/2 digits 2000 counts)

**Specification**

- Range: 0 to 40.0mils (0 to 1000 μ m)
- Resolution: 0.1mils/1 μ m
- Response time: 1 second
- Accuracy: $\pm (4\text{dgt})$ on 0 to 7.8mils $\pm (10\text{dgt})$ on 0 to 199 μ m $\pm (3+4\text{dgt})$ on 7.9mils to 40mils $\pm (3+10\text{dgt})$ on 200 μ m to 1000 μ m
- On-line display selects AVG. / MAX. / MIN. / MAX.-MIN.
- Operation environment: 0°C to 40°C at $< 90\%$ R.H.
- Storage Temp.: -20°C to 60°C, 0 to 80% R.H.
- Accuracy: Stated accuracy at 23°C $\pm 5^\circ\text{C}$, $< 75\%$ R.H.
- Auto power off: 15 seconds
- Low battery indicator
- Dim.: 148 (H) x 105 (W) x 42 (D) mm

ST83955

Manometer
(3 1/2 digits 2000 counts)

**Specification**

- Range: 0-140" water column
- Accuracy: $\pm 2.0\%$ full scale
- Resolution: 0.01" / 0.1"
- Operation Temp.: 32°F to 105°F
- Operation R.H.: 15 to 90%RH, non-condensing
- Polarity: Automatic, positive implied, negative polarity indication
- Measurement rate: 2.5 times
- Storage Temp.: -20°C to 60°C, 0 to 80% R.H.
- Accuracy: Stated accuracy at 23°C $\pm 5^\circ\text{C}$, $< 75\%$ R.H.
- Low battery indicator
- Dim.: 173.5 (H) x 65.5 (W) x 35 (D) mm