

**ALEXAN TEST INSTRUMENTS**

Analog

**AC-34 Digital Pocket Multimeter**



For home and light-testing requirements, the pocket AC-34 offers the perfect solutions. It features auto range and auto power off with a count of 2000. The ranges are as follows: DC/AC Voltage: 200mV, 2V, 20V, 200V and 600V; Resistance: 200 - 2K - 20K - 200K - 2M - 20M; Continuity Check: Buzzer sounds at <100 Ohms Diode Test: Open voltage approx. 1.5V.

**AC-2000P Professional DMM & LCR Meter**



This 3-3/4 DMM is an LCR Meter, Logic Tester, Frequency Counter and Temperature Meter, a diode checker and continuity beeper in one. It measures inductance from 1  $\mu$ H to 40 H, capacitance from 1 pF to 40  $\mu$ F, frequency from 1 Hz to 4 MHz and temperature from -40°C to 150°C. (Temperature probe is optional).

**CT-20K Digital Capacitance Meter**



Portable digital capacitance meter designed to measure capacitance from 0.1 pF to 20,000  $\mu$ F. Nine capacitance ranges are available with an average accuracy of 0.5%. This meter measures only 135 mm x 72 mm x 33 mm and weighs 207 grams. For low-capacitance measurements,  $\pm 20$ pF zero adjustment is provided to compensate for test lead effects.

Digital

**AC-360P Professional Standard Analog Meter**



The AC-360 is the standard-size analog multimeter for measuring voltage, current, and resistance. An auxiliary connector is also provided for checking transistors. Measurement ranges: DC Volt is 0 to 1000 Volts in seven ranges; AC Voltage is 0 to 1000 Volts in five ranges; DC current is 0 to 250 mA in four ranges; Resistance in 4 ranges (x 1 to 20 KW); transistor  $h_{FE}$  - 0 to 1000; Transistors Leakage Current ( $I_{CEO}$ ) - 0 to 150 mA; AF output: -10dB to +22dB.

**CM-100 Digital Clamp Meter**



Equipped with *peak and data hold*, this CM-100 clamp meter is a versatile measuring instrument for hobbyists and professionals alike. This meter has a maximum measurement capability of 1000 A<sub>AC</sub>, 750 V<sub>AC</sub>, 1000 V<sub>DC</sub> with a high degree of accuracy. Aside from these functions, the meter is provided with a 10 Hz to 2 KHz frequency counter, a diode and continuity tester. Its 3-1/2 digit LCD display is provided with unit and polarity display, and a low power indicator. It weighs only 330 grams and measures 208 mm x 65 mm x 31 mm.

**CM-200 Digital Clamp Meter**



Equipped with maximum value lock. This CM-200 clamp meter is a versatile measuring instrument for hobbyists and professionals alike. The meter has a maximum measurement capability of 600A<sub>ac</sub>, 600Vac, 600Vdc with a high degree of accuracy. Aside from these functions, the meter is provided with a diode and continuity tester. Its 3-1/2 digit LCD display is provided with unit and polarity display, and a low power indicator. It weight approximately 200 grams and measures 189mm x 71mm x 37mm, including battery.

**AC-650 Auto Range Digital Multimeter**



The AC-650 Auto Range DMM is a standard digital multimeter for measuring voltage, current, and resistance with 3-1/2 digit LCD display. Measurement range: DC Voltage is 200 mV to 600 V in five ranges-auto ranging; AC Voltage is 2 V to 600 V in four ranges-auto ranging; DC current is 200mA to 10A in six ranges; Resistance is 200 Ohms to 20M in six ranges; Transistor  $h_{FE}$  Test (0 - 2000). This meter

measures only 138 mm x 70 mm x 32 mm and weighs approximately 140 grams, including battery.

**DM-705 Digital Multimeter**



The DM-705 is a standard digital multimeter. Features Auto Power Off, Data Hold, Multi-Function, Low Power Consumption and have Ergonomic Design. Measurement range: DC/AC Voltage, DC/AC Current, Resistance/Continuity, Diode and Auto range. Display/Resolution: 3 1/2 Digits 1999 counts LCD. Additional Functions: Functions Select, Data Hold, Auto Power off (15 mins.). Sampling Rate: Approximately 3times/sec. Operation Temperature/Humidity: 0°C-50°C (32°F - 122°F)/below 80% R.H. (No condensation). Storage Temperature/Humidity: -10°C - 50°C (14°F - 140°F)/below 70% R.H. (No condensation). Power Supply: Battery AA (1.5V) x 2. Fuse: 15A/250V (10A) & 0.5/250V ( $\mu$ A, mA). This meter measures 140.8mm(L) x 73.7mm(W) x 31.7mm(H) and weight only 145g.

Multimeter

**LX-104 Digital Light Meter**



The LX-104 Digital Light Meter is designed to accurately measure illumination with a large LCD display and distinct Digital Data Reading. Measurement range scale is from 0.1 - 19990 Lux or 0.01-1999 FC. Measuring Range Selection: 200/2000/20000 Lux or 20/200/2000 FC. This meter measures only 148 mm x 71 mm x 36mm and the light receiver measures 85mm x 67mm x 32mm. Features: Sensor used the Exclusive Photo Diode & Correction Filter; Data

hold function; Light sensor Separate Design for optimum position measure; Current measurement range scale and illuminated units are displayed on the screen; Low battery indication; Offset adjustment; High accuracy measurement; Large LCD display and distinct digital data reading; Power consumption: Approximately 2mA. Response speed: 2.5 times/sec.

**DM-2400 Benchtop Digital Multimeter**



The DM-2400 is a true RMS digital meter for laboratory use. It boasts of 4-1/2 display and easy-to-use controls. DC voltage measurement: Range:  $\pm 199.99V$ ,  $\pm 1.999$ ,  $\pm 19.999V$ ; AC voltage measurement (AC or AC + DC True RMS): range: 199.99V, 1.9999V, 19.999V, 199.99V/1000V 5 ranges, 1000V range 45Hz - 1KHz  $\pm (0.5\% + 15d)$ ; DC current measurement: range:  $\pm 199.99mA$ ,  $\pm 1.9999mA$ ,  $\pm 19.999mA$ ,  $\pm 199.99mA$ ,  $\pm 1999.9mA$ , 6 ranges; accuracy: 199.99mA - 199.99mA 4 Ranges  $\pm (0.2\% + 1d)$ , 1999.9mA - 19.999A 2 ranges  $\pm (0.3\% + 1d)$ ; AC current measurement (AC or AC + DC True RMS): range: 199.99A, 1.9999A, 19.999A, 199.99A, 1999.9A, 19.999 6 ranges

Frequency

**FC-660 Frequency Counter**

The FC-660 is a bench type professional digital frequency counter capable of measuring frequency up to 100MHz.

The FC-660 frequency counter has the following features: • 8 digits of 0.5", green 7-segment LED display. • Trigger level can be adjusted from -2.5V to +2.5V or set to 0V. • Low Pass Filter (LPF) up to 100KHz can be switched on to reject high frequency noise when a low frequency signal is measured. • AC or DC coupling can be selected. • Meets IEC-1010-1 (EN61010-1) safety requirements.



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**AS-9640 Dual Trace 40-MHz Oscilloscope**

The AS-9640 oscilloscope has dual channels with frequency bandwidth DC to 40 MHz at -3dB or 40 MHz at -6dB, maximum sweep time 10 ns/DIV, and maximum sensitivity 1 mV/DIV. Waveforms are accurately presented on the oscilloscope's 150 mm rectangular CRT screen with internal graticule. This oscilloscope features delay sweep, two sweep mix, CHB output, Z-modulation, dual time base, and a built-in component tester.



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**AS-9307 Single Trace Oscilloscope**

This model is a single trace multipurpose oscilloscope designed to operate in the frequency range from D.C. to 5 MHz with 3 inch (75mm.) CRT screen and high vertical sensitivity (10mV/div). It is particularly suitable for production lines, laboratories or repairshops to observe the waveform of electronic signals. The AS-9307 provides advanced features such as high vertical input impedance, (1MΩ) direct cascade amplifiers, and internal/external synchronizing circuit.



**FS-409 40-MHz Multi-Function Oscilloscope with 5MHz Function Generator and 50MHz Auto Counter**

The FS-409 oscilloscope has dual channel, multiple testing application equipment. It built-in at least 2 testing equipment in one. FS-409 is a 40MHz analog oscilloscope built-in a 5MHz Function Generator and a 50MHz Auto-Range, Auto Gate-time Counter. Its function generator and counter can be operated independently or jointly. With frequency bandwidth DC to 40 MHz at -3dB. Waveforms are accurately presented on the oscilloscope's 6 inches rectangular CRT screen with internal graticule.



**AF-110 Audio Signal Generator**



The AF-110 signal generator is a high performance audio frequency generator designed to meet topmost requirements. It has 600-Ohm output impedance and provides a low-distortion sine (10 Hz to 1 MHz) or square (10 Hz to 100 kHz) wave signal. This AF signal generator is equipped with synchronized input terminal allow high-output signal to be controlled by small signals. The generator measures 100 (h) x 250 (w) x 130 (d) mm and weighs approximately 2.5 kg.

This RF-100 is a compact solid-state radio frequency generator for the hobbyists, technicians and professionals. The frequency range of the unit is from 100 kHz to 150 MHz with an average accuracy better than ±3%. An internal 1-kHz oscillator is provided for modulation purposes. The unit measures 150 mm (h) x 250 mm (w) x 130 mm(d) and weighs 2.5 kg.

**RF-100 Radio Frequency Generator**



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**FG-210/220C Function Generators**

The FG-210/220C are portable, bench type function generators capable of producing different waveforms: sine, square, triangle, pulse and ramp for the FG-210 as well as sweep and frequency counter for the FG-220C. Range: 0.1Hz to 10MHz in 8 Ranges; Amplitude: 20 Vp-p, Open; Output Impedance: 50W ± 10%; DC Offset: +10V -- 10V; Duty Control: 80:20 to 20:80 Continuously Variable with 50:50 calibrated switch; Freq. Accuracy: ±5% of full scale; Distortion: <0.5%, 10Hz-100kHz; Rise/Fall Time: <25nS; V. C. F.: 0 to 5V control frequency to 1000:1; SYNC OUTPUT Rise Time: <25nS; Level: >1Vp-p (open). For the FG-220C: the SWEEP OUT Type: Linear, Log with ramp output with width >1000:1, continuously variable; Rate: From 10 ms to 5



s, variable; FREQUENCY COUNTER Display: 6 Digits 0.4" Green LED display with Hz, kHz, MHz, GATE, OVFL LED; Attenuator: 0 dB, -30 dB; Accuracy: ±(Time base accuracy + 1 count); Resolution: 0.1 Hz, 1 Hz, 10 Hz, 100 Hz, 1 kHz; Gate Time: 10S, 1S, 0.1S, 0.01S; Range: 10 Hz to 100MHz; Sensitivity: -25 mVrms (10 Hz to 10 MHz), -150mVrms (10 MHz to 100 MHz); Maximum Input: 150 Vrms; Input Impedance: 1 MW/ 100 pF.