



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Dual Display RS-232 Interface Multimeter



2880A



2890

These 4000 / 40,000 count True RMS multimeters make an excellent “first line” DMM for troubleshooting complex electrical and electronic circuits. Both DMMs have two read-outs in the large display to present both ACV and frequency simultaneously.

Common Features of Models 2880A and 2890

- Selectable 4000 or 40000 count resolution with 0.06% accuracy
- Capacitance to 10mF
- Data Hold
- Maximum/Minimum and Average values (with elapsed time)
- Peak Hold
- Optional RS-232 interface (Model AK-2880A RS-232 cable and software sold separately)

Model 2880A

- True RMS AC

Model 2890

- True RMS AC, AC+DC, dBm
- dB measurement
- Selectable Impedance
- Temperature to 2502°F (1372°C) with optional TP-A
- Conductance
- Duty Cycle
- Square Wave Output: 16.4/4.8kHz @0 to 3V
- Timer and Signal Output: Max. timer 99ksec. @ 0 to 3V
- Backlight

Specifications

	2880A	models 2890
DC Volts		
Ranges	40mV, 400mV, 4V, 40V, 400V, 1000V	
Resolution	10 μ V/1 μ V, 0.1mV/10 μ V, 1mV/0.1mV, 10mV/1mV, 0.1V/10mV, 1V/0.1V	
Accuracy	\pm (0.08% rdg + 5 dgt), \pm (0.06% rdg + 3dgt)	
Overload protection	600VDC/1200V peak	
Input Impedance	10M Ω (1000M Ω for 40mV and 400mV ranges)	
AC Volts		
Ranges	40mV, 400mV, 4V, 40V, 400V, 750V	
Resolution	10 μ V/1 μ V, 0.1mV/10 μ V, 1mV/0.1mV, 10mV/1mV, 0.1V/10mV, 1V/0.1V	
Accuracy	\pm (0.7% rdg + 5 dgt)	
Frequency Response	50 Hz to 20kHz	
Overload Protection	1200 VDC or 850 VAC rms (600VDC or AC to 400 mV range)	
Input Impedance	10M Ω	
Current		
Ranges	400 μ A, 4mA, 40mA, 400mA, 4A, 10A	
Resolution	0.1 μ A/10nA, 1 μ A/0.1 μ A, 10 μ A/1 μ A, 0.1mA/10 μ A, 1mA/0.1mA, 10mA/1mA	
Accuracy (DC)	\pm (0.2% rdg + 3 dgt),	
Accuracy (AC)	\pm (1.0% rdg + 5 dgt)	
Frequency Response	45 Hz to 2kHz	
Overload Protection	10A continuous	
Resistance/Conductance (2890)		
Ranges	400 Ω , 4k Ω , 40k Ω , 400k Ω , 4M Ω , 40M Ω , (2890 only: 40n5)	
Resolution	0.1 Ω /0.01 Ω , 1 Ω /0.1 Ω , 10 Ω /1 Ω , 100 Ω /10 Ω , 1 Ω /1k Ω , 10 Ω /1k Ω , (2890 only: 0.01/0.001 nS)	
Accuracy	\pm (0.2% rdg + 3 dgt)	
Open Current Voltage	1.28V, 3.3V	
Overload Protection	600VDC, AC rms	
Diode Check	Tested at 1.5mA, 3.3V max typical tested at 1mA 3.2V max typical	
Resolution	1/0.1mV	
Accuracy	\pm (1% rdg + 2 dgt)	
Test Voltage	<3.3V	
Test Current	1.65mA	
Overload Protection	600VDC, AC rms	
Continuity	Buzzer threshold: sounds below 100mV	
Display	4 3/4 digit LCD with 21 segment analog bargraph and automatic polarity indication	
Sampling rate	2/sec., 12/sec. for bargraph	2.5 /sec.
Operating Temperature	32° to 122°F (0°C to +50°C), \leq 80% RH	
Power	Single 9V battery	
Battery life	200 hrs typ (alkaline)	200 hrs typ (alkaline)
Auto power off	Approx. 10 min.	Approx. 30 min.
Dimensions (H x W x D)	7.56 x 3.55 x 1.46 (192 x 90 x 37mm)	
Weight	2lbs. (940g)	2lbs. (940g)

Accessories

Three Year Warranty

SUPPLIED: Battery, test leads, holster, manual
 OPTIONAL: AK-2880A Communication Package, TL-50 Maxi-Pro DMM Kit, TL-130A General Purpose DMM Kit, TP-A Temperature Adapter (2890 only), Temperature Probes (see page 87 for detail)
 Carrying Case (not included): LC-29B