

4 1/2 digits, true rms

# MULTIMETER

Model : DM-9027T

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw)

02-2389-0101



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*The Art of Measurement*

4 1/2 digits, True RMS

# DIGITAL MULTIMETER

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## FEATURE

- \* Design meet IEC 1010 safety requirement.
- \* 4 1/2 digits DMM, high precision.
- \* Large LCD display with annunciators.
- \* LCD display, easy read-out.
- \* True RMS measuring reading for ACV & ACA function.
- \* With data hold function
- \* Compact & strong housing case.
- \* Optional Holster case.
- \* Full range optional adapters for EMF, Light, Humidity DC/AC CLAMP current, Humidity, RPM, Pressure, Sound High voltage measurement.

## GENERAL SPECIFICATION

Display	15 mm(0.5") LCD, w/ annunciators, 4 1/2 digits Max. reading 19999
Measurement	28 ranges, DCV, ACV, DCA, ACA, ohms, hFE, DIODE, Continuity Beeper.
Polarity	Automatic Switching, '-' indicates negative polarity.
Zero Adjustment	Automatic adjustment.
Over-input Indicator	"1" mark indication.
Sampling Time	Approx. 0.4 second.
Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
Operating Humidity	Less than 80% RH.
Power Supply	006 P DC 9V battery.
Power Consumption	Approx. DC 1.6 mA.
Dimensions	185 x 87 x 39 mm (6.7 X 3.5 X 1.4 inch)
Weight	320 g/0.71 LB
Fuse	The meter build in one fuse for current range(200u/2m/20m/200mA) protection, its spec. : Rating - 500 mA Size - 5 mm dia. x 20 mm
Accessories Included	Red and Black Test Leads ..... 1 pair Instruction Manual ..... 1 PC
Optional Accessories	Light adapter LX-02 Anemometer adapter, AM-402 Humidity adapter, HA-702 tachometer adapter TA-601, 1000 A DC/AC current adapter, CA-501 2000 A DC/AC current adapter, CA-203 Mini ACA current adapter, CA-201 EMF adapter, EMF-824 Sound adapter, SL-406, 50 A current shunt, ST-50 High voltage probe, HV-40 Carrying case CA-03, CA-05A Alligator test lead, TL-02S Alligator test lead, TL-02S ,Heavy duty alligators, AL-04

## ELECTRICAL SPECIFICATIONS (23± 5 °C)

### DC Voltage

Range	200 mV / 2 V/ 20 V/ 200 V / 600 V
Resolution	0.01 mV / 0.1 mV /1 mV /10 mV / 0.1 V
Accuracy	± (0.1%+2d)-200mV. ± (0.2%+2d)-2V,20V,200V,600V.
Input Impedance	10 M ohm.
Over Load Protection	500 DCV, 350 ACV, 15 seconds - 200mV range. 600 DCV, 600 ACV - others.



### AC Voltage (True RMS)

Range	200 mV/2/20/200/600 V
Resolution	0.01 mV/0.1 m/1 m/10 m/0.1 V
Accuracy	± (0.8%+10d) -200mV,2V,20V,200V,600V * spec. are tested under 50/60 Hz.
Input Impedance	10 M ohm.
Over Load Protection	500 DCV, 350 ACV, 15 seconds - 200mV range. 600 DCV, 600 ACV - others.

### DC Current

Range	200u/2m/20m/200m/10A
Resolution	10n/100n/1u/10u/1mA
Accuracy	± (0.5%+5d)-200uA,2mA,20mA ± (0.8%+10d) -200mA ± (2%+5d)-10A
Over Load Protection	200u/2m/20m/200mA range : 0.5A fuse protection 10 A range : Max. 10A ( no fuse ).

### AC Current(True RMS)

Range	200u/2m/20m/200m/10A
Resolution	10n/100n/1u/10u/1mA
Accuracy	± (0.8%+10d) -200uA,2mA,20mA,200mA ± (2%+10d) -10A * spec. are tested under 50/60 Hz.
Over Load Protection	200u/2m/20m/200mA range : 0.5A fuse protection 10 A range :Max. 10A ( no fuse ).

### OHMS

Range	200/2k/20k/200k/2M/20M ohm
Resolution	0.01/0.1/1/10/100/1k ohm
Accuracy	± (0.5%+5d)-200 ohm ± (0.3%+5d) -2k,20k,200k,2 M ohm ± (0.8%+3d)-20 M ohm.
Over Load Protection	400 DCV, 350 ACV.

### Diode Check

Range	Approx. forward voltage(VF), good/defect test.
Resolution	0.1 mV.

### Transistor hFE

0-1000 hFE, NPN/PNP.
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### Data hold

To freeze the display values.
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### Continuity

Sound beeper for continuity check. Beeper will sound if the measuring resistance < 250 ohm approximately.
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\* Appearance and specifications listed in this brochure are subject to change without notice.

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