

## DUOYI DY30-1 Digital Insulation Resistance Tester Meter 2000M Ohm 250V 500V 1000V Megohmmeter Voltmeter Car Circuit Test Repair

The newly style of Digital Insulation Resistance Tester is 30 series, including DY30-1, DY30-2, DY30-3 ect.

DY30-x series apply for all kinds of electric equipment and insulation materials such as transformer, electromotor, cable, switch, appliance, etc.  
It is a perfect electrical testing meter.

DY30-1, the output voltage testing can be changed in 250V/500V/1000V for deferent measurement. Resistance range can touch 2000M ohm.  
Alternating voltage also can be tested.



# megohm meters



**DUOYI:** Digital display/Multiple gear selection/battery driven/High precision and easy operation



Other brands : Hand driven/ Inaccurate measuring/long time

- (1) Low power consumed CMOS double integral A/D convertor IC, auto zero.
  - (2) 3 1/2 digits LCD display, the max reading is 1999.
  - (3) Data holding with symbol.
  - (4) LED indicating shows high voltage is generated.
  - (5) Voltage below AC600V can be tested.
  - (6) Low battery indicated.
  - (7) Output short current is over 1.5mA.
  - (8) Range: 0-20GΩ, auto range.
  - (9) Perfect circuit protect.
  - (10) Size of LCD: 67X 28mm (3x 1inch).
  - (11) Power: R6P(AA)(1.5V)X6.
  - (12) Size: 150X 100X 70mm(6x4x3 inch).
  - (13) Weight: 680g(1.5lb) (Including batteries).
  - (14) Environment Conditions:
- Working temperature:** 0-40°C (32°F-104°F), relative humidity<80%
- Storage temperature:** -10°C-50°C (14°F-122°F), relative humidity<85%
- Precision guarantee temperature:** 18°C-28°C (64°F-82°F), relative humidity<75%



**Output rated voltage test**



**50MΩ Resistance test**



Mode	DY30-1
Test Voltage DC	250V/500V/1000V
Output Voltage	90%~110% of test voltage DC
Measure Range	0.01MΩ~2000MΩ
Minimum Resolution	0.001MΩ
Accuracy	0.001MΩ~ 200MΩ ±(3% readings + 5 digits)
Measure Voltage AC	200MΩ~ 10GΩ ±(5% readings + 5 digits)
Accuracy	10GΩ~20GΩ±(10% readings + 5 digits)
Test Frequency of Voltage AC	600V
	±(2% readings + 15 digits)
	50/60Hz

## Test pen

The measuring pen is made of high-insulation material to ensure high-impedance insulation. Resistance measurement is accurate and stable



## HOLD:Data lock

Press the HOLD button to lock the changed value and easy to read. Capture accurately the measuring data





① LCD Display

② L (LINE) Socket

③ ACV input

④ G Socket (leakage current  
for insulation/input for ACV)

⑤ E (EARTH) Socket

⑥ Test Indicator LED

⑦ Test Button: TEST/STOP

⑧ Hold Button: Data Hold

⑨ Rotary Switch





Mode	DY30-1	DY30-2
Test Voltage DC	250V/500V/1000V	500V/1000V/2500V
Output Voltage	90%~110% of test voltage DC	
Measure Range	0.01M $\Omega$ ~2000M $\Omega$	0.01M $\Omega$ ~20G $\Omega$
Minimum Resolution	0.001M $\Omega$	0.01M $\Omega$
Accuracy	0.001M $\Omega$ ~ 200M $\Omega$ $\pm$ (3% readings + 5 digits)	
	200M $\Omega$ ~ 10G $\Omega$ $\pm$ (5% readings + 5 digits)	
	10G $\Omega$ ~20G $\Omega$ $\pm$ (10% readings + 5 digits)	
Measure Voltage AC	600V	
Accuracy	$\pm$ (2% readings + 15 digits)	
Test Frequency of Voltage AC	50/60Hz	
Auto Range	✓	
Function Symbol Display	✓	
Data Hold	✓	
Low Resistance Buzzer	✓	
Low Battery Warning	✓	
LCD MAX. Count	1999	
LCD Size	26*62mm	
Product size	150*100*70mm	
Product weight	About 700g	

#### Package Include:

- 1 x Digital Insulation Resistance Tester DY30-1
- 1 x Set Test leads
- 1 x Piece user's manual
- 1 x Black bag