



Hoyt Multimeters

Analog Multimeters

ST-360TRn	1
ST-365TR	1
ST-367TR	2
ST-368TR	2
ST-505N	3

Analog + Digital Multimeters

ST-3502	4
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Digital Multimeters

189 DM	5
ST-3201	6
ST-3501	7
PT-30	8
6400 DM	9
6410 DM	10
6420 DM	11

Digital Multimeter and Phase Rotation Tester

3000 MPR	12
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ST-360TRn Analog Multimeter

Features

- Easy to read 3-color scale for mistake proof reading.
- Mirror scale makes reading pointer easy.
- Fuse protection function.
- Safety fused on all ranges.
- Diode protected meter prevents damage due to overload.
- hFE and db measurement.
- With stand, makes reading and measuring easy.

Specifications

DC volts	0-0.1 / 0.5 / 2.5 / 10 / 50 / 250 / 1000V(20kΩ/V)
AC volts	0-10 / 50 / 250 / 1000V
DC mA	50uA / 2.5 / 25 / 250mA
OHMS	2k / 20k / 2M / 20MΩ (20 Mid-Scale)
Accuracy	±3% F.S. DC. ± 4% F.S. AC.
Sensitivity	20kΩ/V DC. 8kΩ/V AC.
dB	-10dB ~ +22dB
hFE	0-1000
ICEO	150uA, 15mA, 150mA
LV	3V
Dimensions	102(L) × 148(W) × 46(D)mm
Weight	Approx. 300g (battery included)
Power source	1.5V (AA) × 2, 9V(6F22) × 1
Safety standard	EN 61010-1 CAT II 1000V



CE

ST-365TR Analog Multimeter

Features

- Easy to read 3-color scale for mistake proof reading.
- Mirror scale makes reading pointer easy.
- Safety fused on all ranges.
- Diode protected meter prevents damage due to overload.
- Safety features, safety fused, safety "OFF" position.
- hFE and db measurement.
- With stand, makes reading and measuring easy.
- Packed completely with AL-21 test leads, hFE leads, fuse, instruction manual.

Specifications

DC volts	0-0.1 / 0.5 / 2.5 / 10 / 50 / 250 / 1000V(20kΩ/V)
AC volts	0-10 / 50 / 250 / 1000V
DC mA	50uA / 2.5 / 25 / 250mA
OHMS	2k / 20k / 2M / 20MΩ (20 Mid-Scale)
Accuracy	±3% F.S. DC. ± 4% F.S. AC.
Sensitivity	20kΩ/V DC. 8kΩ/V AC.
dB	-10dB ~ +22dB
hFE	0-1000
ICEO	150uA, 15mA, 150mA
LV	3V
Dimensions	100(L) × 150(W) × 41(D)mm
Weight	Approx. 300g (battery included)
Power source	1.5V (AA) × 2, 9V(6F22) × 1
Safety standard	EN 61010-1 CAT II 1000V



CE



CE

Features

- Easy to read 3-color scale...for mistake proof reading.
- Mirror scale...makes reading pointer easy.
- Safety fused...on all ranges.
- Diode protected meter...prevents damage due to overload.
- Safety features...safety fused, safety "OFF" position.
- hFE and db measurement.
- With stand...makes reading and measuring easy.

ST-367TR Analog Multimeter

Specifications

DC volts	0-0.1 / 0.5 / 2.5 / 10 / 50 / 250 / 1000V(20kΩ/V)
AC volts	0-10 / 50 / 250 / 1000V
DC mA	50uA / 2.5 / 25 / 250mA
OHMS	2k / 20k / 2M / 20MΩ (20 Mid-Scale)
Accuracy	±3% F.S. DC. ± 4% F.S. AC.
Sensitivity	20kΩ/V DC. 8kΩ/V AC.
dB	-10dB ~ +22dB
hFE	0-1000
ICEO	150uA, 1.5mA, 15mA, 150mA
LV	3V
Dimensions	100(L) × 150(W) × 41(D)mm
Weight	Approx. 300g (battery included)
Power source	1.5V (AA) × 2, 9V(6F22) × 1
Safety standard	EN 61010-1 CAT II 1000V EN 61010-2-030, EN 61326-1



CE

Features

- Taut band movement.
- Easy to read 3-color scale...for mistake proof reading.
- Mirror scale...makes reading pointer easy.
- Safety fused...on all ranges.
- Diode protected meter...prevents damage due to overload.
- Safety features...safety fused, safety "OFF" position.
- hFE and dB measurement.
- LCD check function.
- Battery test function.
- Continuity test function.
- With stand...makes reading and measuring easy.

ST-368TR Analog Multimeter

Specifications

DC volts	0-0.1 / 0.5 / 2.5 / 10 / 50 / 250 / 1000V(20kΩ/V)
AC volts	0-10 / 50 / 250 / 1000V
DC mA	50uA / 2.5 / 25 / 250mA
OHMS	2k / 20k / 200k / 2M / 20MΩ (20 Mid-Scale)
Accuracy	±3% F.S. DC. ± 4% F.S. AC.
Sensitivity	20kΩ/V DC. 9kΩ/V AC.
dB	-10dB ~ +22dB
hFE	0-1000
LED check	√
Battery check	GOOD or BAD
ICEO	1.5mA, 15mA, 150mA
LV	LV 3V~0V
Dimensions	100(L) × 150(W) × 41(D)mm
Weight	Approx. 340g (battery included)
Power source	1.5V (AA) × 2, 9V(6F22) × 1
Safety standard	EN 61010-1 CAT II 1000V EN 61010-2-030, EN 61326-1



CE

ST-505N Analog Multimeter

Features

- High quality Taut Band movement.
- Easy to read 3-color scale for mistake proof reading.
- Mirror scale: makes reading pointer easy.
- Safety features on all ranges.
- Safety features: safety fused and safety "OFF" position.
- dB measurement.
- Built-in stand makes reading and measuring easy.

Specifications

DC Voltage

Ranges	0.25 / 1 / 2.5 / 10 / 50 / 250 / 1000V
Accuracy	±2% of full scale
Sensitivity	50kΩ / V

AC Voltage

Ranges	2.5 / 10 / 50 / 250 / 1000V
Accuracy	±3% of full scale
Sensitivity	10kΩ / V
Decibelmeter	-20 to 62dB 0dB=1mW / 600Ω Direct Scale: -20 to +10dB

DC Current

Ranges	25uA/1mA/25mA/500mA, 10A(on separate input)
Accuracy	±2% of full scale
Sensitivity	250mV

AC Current

Ranges	10A
Accuracy	±3% of full scale

Resistance

Ranges	R × 1 0.2 to 20kΩ R × 10 2 to 200kΩ R × 100 20 to 2MΩ R × 1000 200 to 20MΩ
Accuracy	±3% of full scale

General

Dimensions: 160(L) × 100(W) × 45(D)mm
 Weight Approx.: 380g (battery included)
 Power source: 1.5V (AA) × 2
 Safety standard: EN 61010-1 CAT III 600V
 EN 61326-1

Analog + Digital Multimeters



ST-3502 Analog + Digital Multimeter

Features

- 3½ digit, high contrast LCD, with a maximum display of 1999.
- Automatic polarity indication, zero adjustment.
- Low battery (BAT) indication.
- Over range indication: highest digit of (1) or (-1).
- EN 61010-1 CAT III 600V, EN 61326-1.

Analog Display

- Large 90° wide and 84mm long mirror scale.
- Shock and vibration resistant TAUT BAND movement.
- Pointer can be selected to either left-hand zero (normal mode) or center zero (galvo-mode).
- In galvo-mode pointer deflects right to indicate positive polarity and left to indicate negative polarity.
- Automatic center zero and ohm zero.
- Dimensions: 175(L) × 109(W) × 44(D)mm.

Specifications

DC Voltage (Input impedance: 10MΩ)

Range	Analog Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analog	
200mV	240mV	100μV	±(1%rdg+1dgt)	±3%F.S.	DC500V AC350V
2V	2.4V	1mV			
20V	24V	10mV			
200V	240V	100mV			
600V	600V	1V			DC1200V AC800V

AC Voltage (Input impedance: 10MΩ)

Range	Analog Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analog	
200mV	240mV	100μV	±(1%rdg+1dgt)	±3%F.S.	DC500V AC350V
2V	2.4V	1mV			
20V	24V	10mV			
200V	240V	100mV			
600V	600V	1V			DC1200V AC800V

DC Current

Range	Analog Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analog	
200uA	240uA	100nA	±(1%rdg+5dgt)	±3%F.S.	800 mA
2mA	2.4mA	1μA			
20mA	24mA	10μA			
200mA	240mA	100μA			
10A	10A	10mA			10A

AC Current

Range	Analog Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analog	
200uA	240uA	100nA	±(1%rdg+5dgt)	±3%F.S.	800 mA
2mA	2.4mA	1μA			
20mA	24mA	10μA			
200mA	240mA	100μA			
10A	10A	10mA			10A

Resistance

Range	Analog Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analog	
200Ω	5kΩ	100mΩ	±(1%rdg+1dgt)	±4%arc -10Ω	50V DC
2kΩ	50kΩ	1mΩ			
20kΩ	500kΩ	10Ω			
200kΩ	5MΩ	100Ω			
2000kΩ	50MΩ	1kΩ		±4%arc	
20MΩ	500MΩ	10kΩ		±(1.5%rdg+5dgt)	

Capacitance

Range	Analog Maximum	Resolution Digital	Accuracy		Test Voltage
			Digital	Analog	
2000pF	2400pF	1pF	±(3%rdg+10dgt)	±5%F.S.	50mV 400Hz
20nF	24nF	10pF			
200nF	240nF	100pF			
2uF	2.4uF	1nF			
20uF	24uF	10nF			

Instant Continuity

Range	Analog Maximum	Resolution Digital	Continuity Indication	Open Voltage
200Ω	5kΩ	100mΩ	Built Buzzer sounds when Resistance is less than 40Ω	3.2V max

Frequency

Range	Analog Maximum	Resolution Digital	Accuracy		Test Voltage
			Digital	Analog	
2000Hz	2400Hz	1Hz	±(2%rdg+3dgt)	±3%F.S.	350Vrms

HFE Test

Base DC Current	VCE	HFE
10μA	2.8 ± 0.4V	1000

Diode Test

Test Current	Test Voltage
3.0 ± 0.6mA	3.2V max



189 DM Digital Multimeter

Features

- 4000-count LCD.
- Auto ranging.
- Voltage, Resistance, Continuity, Diode measurement.
- Frequency, Capacitance, Current measurement.
- Wide range for capacitance test : 0~4000 μ F.
- Data hold function.
- Low battery indication.
- Over range indication.
- Auto power off.
- With a convenient stand for viewing.
- Compact and lightweight.

Specifications

Resistance

Range	Resolution	Accuracy
400 Ω	0.1 Ω	
4k Ω	1 Ω	
40k Ω	10 Ω	$\pm(1.2\%rdg+3dgt)$
400k Ω	100 Ω	
4M Ω	1 k Ω	
40M Ω	10 k Ω	$\pm(2.0\%rdg+4dgt)$

Capacitance

Range	Resolution	Accuracy
4 nF	1 pF	
40 nF	10 pF	
400 nF	100 pF	
4 μ F	1 nF	$\pm(3\%rdg+10dgt)$
40 μ F	10 nF	
400 μ F	100 nF	
4 mF	1 μ F	

Frequency

Range	Resolution	Accuracy
4 kHz	1 kHz	
40 kHz	10 kHz	$\pm(0.5\%rdg+2dgt)$
100 kHz	100 kHz	

Continuity

Range	Audible threshold
400 Ω	Less than 25 Ω

Diode

Range	Accuracy
2V	$\pm(1.5\%rdg+3dgt)$

General

Dimensions: 165mm(L) x 82mm(W) x 45mm(D)
 Weight : Approx. 246g (battery included)
 Power source: 1.5V (AAA) battery x 2
 Safety standard: EN 61010-1 CAT III 600V
 EN 61010-2-30, EN 61326-1

DC Voltage (Input impedance : 10M Ω)

Range	Resolution	Accuracy
400mV	0.1mV	
4V	1mV	
40V	10mV	$\pm(0.5\%rdg+3dgt)$
400V	100mV	
1000V	1V	

AC Voltage (Input impedance : 10M Ω)

Range	Resolution	Accuracy
400mV	0.1mV	
4V	1mV	
40V	10mV	$\pm(0.5\%rdg+3dgt)$
400V	100mV	
750V	1V	

DC mA / μ A (Overload protection 0.5A/250V fast blow fuse for 400mA)

Range	Resolution	Accuracy
400 μ A	0.1 μ A	
4000 μ A	1 μ A	
40mA	0.01mA	$\pm(1\%rdg+6dgt)$
400mA	0.1mA	

AC mA / μ A (Overload protection 0.5A/250V fast blow fuse for 400mA)

Range	Resolution	Accuracy
400 μ A	0.1 μ A	
4000 μ A	1 μ A	
40mA	0.01mA	$\pm(1\%rdg+6dgt)$
400mA	0.1mA	

ST-3201 Digital Multimeter



Features

- Display: 3½ digit liquid crystal display (LCD) with max. reading of 1999.
- Polarity: Automatic, (-) negative polarity indication.
- Zero Adjustment: Automatic.
- Over Range Indication: Highest digit of (1) or (-1) is displayed.
- Low Battery Indication: The (BAT) is displayed when the battery voltage drops below the operating voltage.
- Measurement Rate: 3 measurements per second, nominal.
- Accuracy: Accuracy specifications at 23±5°C, less than 75% RH.

Specifications

DC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Over voltage Protection
200mV	100nV	±(0.5%rdg+1dgt)	DC 500V AC 350V
2V	1mV		
20V	10mV		
200V	100mV	±(0.5%rdg+1dgt)	DC 1200V AC 800V
1000V	1V		

AC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy 45 Hz to 400 Hz	Over voltage Protection
750V	1V	±(1.5%rdg+4dgt)	DC 1200V AC 800V

DC Current (Overload Protection 0.8A(250V) fast blow fuse)

Ranges	Resolution	Accuracy	Over voltage Protection
200μA	100nA		
2mA	1μA	±(1.0%rdg+1dgt)	325mV max
20mA	10μA		
200mA	100μA		
10A	10mA	± (2.0%rdg+3dgt)	700mV max

Resistance

Ranges	Resolution	Accuracy	Max Test Current	Max open Circuit Voltage
200Ω	0.1Ω	±(1.0%rdg+3dgt)	3mA	3.2V
2kΩ	1Ω		250uA	
200kΩ	10Ω	±(0.8%rdg+1dgt)	50uA	0.3V
200kΩ	100Ω		5uA	
2MΩ	1kΩ		500nA	
20MΩ	10kΩ	±(3.0%rdg+1dgt)	50nA	0.3V

General

Operating temperature: 0°C to ±50°C, 0-70% RH.
 Storage temperature: -20°C to +60°C, 0-80% RH, with battery removed.
 Dimensions: 128(L)×72(W)×33(D)mm.
 Weight: Approx. 183g
 Power source: Single, 006P 9 volt battery

HFE Test

Base DC Current	VCE	HFE
10μA	2.8 ± 0.4V	1000

Diode Test

Test Current	Test Voltage
3.0 ± 0.6mA	3.2V max



ST-3501 Digital Multimeter

Features

- Display: 3½ digit liquid crystal display (LCD) with max. reading of 1999.
- Polarity: Automatic, (-) negative polarity indication.
- Zero Adjustment: Automatic.
- Over Range Indication: Highest digit of (1) or (-1) is displayed.
- Low Battery Indication: The (BAT) is displayed when the battery voltage drops below the operating voltage.
- Measurement Rate: 3 measurements per second, nominal.
- Accuracy: Accuracy specifications at 23±5°C, less than 75% RH.

Specifications

DC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Over voltage Protection
200mV	100nV	±(0.5%rdg+1dgt)	DC 500V
2V	1mV		AC 350V
20V	10mV		
200V	100mV	±(0.5%rdg+1dgt)	DC 1200V
1000V	1V		AC 800V

DC Current (Overload Protection 0.8A(250V) fast blow fuse)

Ranges	Resolution	Accuracy	Over voltage Protection
200μA	100nA		
2mA	1μA	±(1.0%rdg+1dgt)	325mV max
20mA	10μA		
200mA	100μA		
10A	10mA	±(2.0%rdg+3dgt)	700mV max

Capacitance

Ranges	Resolution	Accuracy	Over voltage Protection
2000pF	1pF		
20nF	10pF		
200nF	100pF	±(3%rdg+10dgt)	500mV
2μF	1nF		400Hz
120μF	10nF		

hFE Test

Base DC Current	Vce	hFE
10μA	2.8 ± 0.4V	1000

Resistance

Ranges	Resolution	Accuracy	Max test current	Max open circuit voltage
200Ω	0.1Ω	±(1.0%rdg+3dgt)	3mA	3.2V
2kΩ	1Ω		250uA	
200kΩ	10Ω	±(0.8%rdg+1dgt)	50uA	0.3V
200kΩ	100Ω		5uA	
2MΩ	1kΩ		500nA	
20MΩ	10kΩ	±(3.0%rdg+1dgt)	50nA	0.3V

AC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Over voltage Protection
200mV	100nV	45Hz to 400Hz	DC 500V
2V	1mV	±(1.2%rdg+4dgt)	AC 350V
20V	10mV		
200V	100mV	±(0.5%rdg+1dgt)	DC 1200V
1000V	1V		AC 800V

AC Current (Overload Protection 0.8A(250V) fast blow fuse)

Ranges	Resolution	Accuracy	Over voltage Protection
200μA	100nA		
2mA	1μA	±(1.2%rdg+1dgt)	325mV max
20mA	10μA		
200mA	100μA		
10A	10mA	±(2.0%rdg+3dgt)	700mV max

Continuity

Ranges	Resolution	Accuracy	Max test current	Max open circuit voltage
200Ω	0.1Ω	Built Buzzer sounds when resistance is less than Ω80	1.5mA	3.2V

Diode Test

Test Current	Test Voltage
3.0 ± 0.6mA	3.2V Max.

General

Operating temperature: 0°C to ±50°C, 0-70% RH.
 Storage temperature: -20°C to +60°C, 0-80% RH, with battery removed.
 Dimensions: 128(L)×72(W)×33(D)mm.
 Weight: Approx. 200g
 Power source: Single, 006P 9 volt battery

PT-30 Digital Multimeter

Features

- Lightweight, compact, and easy to use.
- 4000 counts.
- Full automatic measurement, voltage measurement, resistor measurement.
- Data hold function.
- Auto off function.
- Continuity check.
- Diode measurement.
- Low battery indication.
- Pen light provided.
- Backlight LCD.
- 3V DC power supply.
- Low battery indication: "BATT" sign appears on the display when the battery voltage drops below accurate operating level.

Specifications

DC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy
4V	1mV	
40V	10mV	±(1%rdg+3dgt)
400V	100mV	
600V	1V	

AC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy
4V	1mV	
40V	10mV	±(1.5%rdg+5dgt)
400V	100mV	
600V	1V	

Resistance (Overload Protection 500V DC)

Ranges	Resolution	Accuracy
400Ω	0.1Ω	
4kΩ	1Ω	
40kΩ	10Ω	±(1.5%rdg+3dgt)
400kΩ	100Ω	
4MΩ	1kΩ	
40MΩ	10kΩ	±(2.5%rdg+4dgt)

Continuity Test

Ranges	Audible threshold
400Ω	Less than 25Ω

Diode Test : Test voltage approx. 0.3V to 2V

General

Dimensions	196(L) × 35.8(W) × 28.3mm(D)
Weight	Approx. 105g (battery included)
Power source	DC 3V (CR2032) × 1
Safety standard	EN 61010-1 CAT III 600V EN 61326-1



CE

6400 DM Digital Multimeter

Features

- 4000 counts LCD with a maximum display of 3999.
- Angled display design helps the user to identify the reading of value easier.
- Auto ranging designed.
- Range change function.
- Continuity check.
- Diode measurement.
- Data hold function.
- Low battery indication.
- Over range indication.
- Fuse protection.
- Special hook design used to hang the meter for ease of use.



CE

Specifications

DC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Input protection
400.0mV	100μV		
4.000V	1mV		
40.00V	10mV	±(0.5%rdg+3dgt)	1000V DC
400.0V	100mV		
1000V	1V		

AC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Input protection
400.0mV	100μV		
4.000V	1mV		
40.00V	10mV	±(1%rdg+5dgt)	800V DC
400.0V	100mV		
750V	1V		

DC & AC Current

Ranges	Resolution	Accuracy	Input protection
400.0μA	0.1μA		
4000μA	1μA		
40.00mA	0.01mA	±(1%rdg+5dgt)	500mA
400.0mA	0.1mA		
10A	10mA	±(2%rdg+3dgt)	12.5A

Overload Protection 0.5A/600V fast blow fuse for 400mA
 12.5A/660V fast blow fuse for 10A

Resistance (Overload Protection 600V DC)

Ranges	Resolution	Accuracy	Max test current	Max open circuit voltage
400Ω	0.1Ω			
4kΩ	1Ω			
40kΩ	10Ω	±(1.5%rdg+3dgt)	0.55mA	0.5V
400kΩ	100Ω			
4MΩ	1kΩ			
40MΩ	10kΩ	±(2%rdg+4dgt)	0.55mA	0.5V

Frequency

Ranges	Resolution	Accuracy
4.000kHz	1Hz	
40.00kHz	10Hz	
400.0kHz	100Hz	±(1.0%rdg+2dgt)
4.000MHz	1kHz	
40.00MHz	10kHz	

Continuity

Ranges	Resolution	Accuracy	Input protection
400.0Ω	0.1Ω	< 25Ω	0.55mA

General

Low battery indication	"BATT"
Operating temperature	0°C ~ 40°C, 80% Max.
Storage temperature	-10°C ~ 50°C, 80% Max.
Dimensions	192(L) × 88.5(W) × 45(D)mm
Weight	Approx. 350g (battery included)
Power source	1.5V (AAA) × 2
Safety standard	EN 61010-1 CAT III 600V EN 61326-1



6410 DM Digital Multimeter

Features

- 3000 counts with a maximum display of 2999.
- Angled display design helps the user to identify the reading of value easier.
- Auto scanning function for AC/DC voltage, and current.
- Auto ranging.
- Range change function.
- Continuity check.
- Diode & Capacitance measurement.
- Data hold function.
- Low battery indication.
- Over range indication.
- Fuse protection.
- Special hook design used to hang the meter for ease of use.

Specifications

DC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Input protection
300.0mV	100μV		
3.000V	1mV		
30.00V	10mV	±(0.5%rdg+3dgt)	1000V DC
300.0V	100mV		
1000V	1V		

AC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Input protection
300.0mV	100μV		
3.000V	1mV		
30.00V	10mV	±(1%rdg+5dgt)	800V DC
300.0V	100mV		
750V	1V		

DC & AC Current

Ranges	Resolution	Accuracy	Input protection
300.0μA	0.1μA		
3000μA	1μA		
30.00mA	0.01mA	±(1%rdg+5dgt)	500mA
300.0mA	0.1mA		
10A	10mA	±(2%rdg+3dgt)	12.5A

Overload Protection 0.5A/600V fast blow fuse for 300mA
 12.5A/660V fast blow fuse for 10A

Resistance (Overload Protection 600V DC)

Ranges	Resolution	Accuracy	Max test current	Max open circuit voltage
300Ω	0.1Ω			
3kΩ	1Ω			
30kΩ	10Ω	±(1.5%rdg+3dgt)	0.51mA	0.39V
300kΩ	100Ω			
3MΩ	1kΩ			
30MΩ	10kΩ	±(2%rdg+4dgt)	0.51mA	0.39V

Frequency

Ranges	Resolution	Accuracy
3.000kHz	1Hz	
30.00kHz	10Hz	±(1.0%rdg+2dgt)
100.0kHz	100Hz	

Continuity

Ranges	Resolution	Accuracy	Input protection
300.0Ω	0.1Ω	< 30Ω	0.51mA

Capacitance

Ranges	Resolution	Accuracy
3000pF	1pF	
30nF	10nF	
300nF	100nF	
3μF	1nF	±(3%rdg+10dgt)
30μF	10nF	
300μF	100nF	
3mF	1μF	
30mF	10μF	

General

Low battery indication	"BATT"
Operating temperature	0°C ~ 40°C, 80% Max.
Storage temperature	-10°C ~ 50°C, 80% Max.
Dimensions	192(L) × 88.5(W) × 45(D)mm
Weight	Approx. 345g (battery included)
Power source	1.5V (AAA) × 2
Safety standard	EN 61010-1 CAT III 600V EN 61326-1



6420 DM Digital Multimeter

Features

- 4000 counts LCD with a maximum display of 3999.
- Angled display design helps the user to identify the reading of value easier.
- Auto ranging designed.
- Bar graph LCD display.
- Range change function.
- Relative/Maximum/Minimum modes.
- Peak hold mode.
- VAHz mode measures frequency in voltage or current mode.
- 40M Hz frequency counter.
- Auto Power off.
- Continuity check.
- Data hold function.
- Low battery indication.
- Over range indication.
- Fuse protection.
- Special hook design used to hang the meter for ease of use.

Specifications

DC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Input protection
400.0mV	100μV		
4.000V	1mV		
40.00V	10mV	±(0.5%rdg+3dgt)	1000V DC
400.0V	100mV		
1000V	1V		

AC Voltage (Input impedance : 10MΩ)

Ranges	Resolution	Accuracy	Input protection
400.0mV	100μV		
4.000V	1mV		
40.00V	10mV	±(1%rdg+5dgt)	800V DC
400.0V	100mV		
750V	1V		

DC & AC Current

Ranges	Resolution	Accuracy	Input protection
400.0μA	0.1μA		
4000μA	1μA		
40.00mA	0.01mA	±(1%rdg+5dgt)	500mA
400.0mA	0.1mA		
10A	10mA	DC: ±(2%rdg+2dgt) AC: ±(2%rdg+3dgt)	12.5A

Overload Protection 0.5A/600V fast blow fuse for 400mA
 12.5A/660V fast blow fuse for 10A

Resistance (Overload Protection 600V DC)

Ranges	Resolution	Accuracy	Max test current	Max open circuit voltage
400Ω	0.1Ω			
4kΩ	1Ω			
40kΩ	10Ω	±(1.5%rdg+3dgt)	0.55mA	0.5V
400kΩ	100Ω			
4MΩ	1kΩ			
40MΩ	10kΩ	±(2%rdg+4dgt)	0.55mA	0.5V

Frequency

Ranges	Resolution	Accuracy
4.000kHz	1Hz	
40.00kHz	10Hz	
400.0kHz	100Hz	±(1.0%rdg+2dgt)
4.000MHz	1kHz	
40.00MHz	10kHz	

Continuity

Ranges	Resolution	Accuracy	Input protection
400.0Ω	0.1Ω	< 35Ω	0.55mA

General

Low battery indication	"BATT"
Operating temperature	0°C ~ 40°C, 80% Max.
Storage temperature	-10°C ~ 50°C, 80% Max.
Dimensions	192(L) × 88.5(W) × 45(D)mm
Weight	Approx. 350g (battery included)
Power source	1.5V (AAA) × 2
Safety standard	EN 61010-1 CAT III 600V EN 61326-1

3000 MPR Digital Multimeter and Phase Rotation Tester



Features

- 4000-count LCD
- Auto ranging
- Voltage, Resistance, Current, Continuity, Diode measurement
- Can measure Resistance / Insulation up to 200.0 Mohm
- Checks a wide range of 3-phase power sources (80~750VAC)
- Phase Rotation indication : clockwise and counter-clockwise on LCD
- The LCD will show AC voltage between phases and Phase Rotation
- Wide range for capacitance test: 0~40000µF(40.00mF)
- REL / Auto-Zero function
- MAX /MIN function
- VAHz function
- Frequency : 40.00 MHz
- Data hold function
- Over range indication
- Low battery detection
- Auto power off in 15 minutes
- Convenient stand for viewing



Specifications

DC Voltage (Input impedance : 10MΩ)

Range	Resolution	Accuracy
400mV	0.1mV	±(0.5%rdg+3dgt)
4V	1mV	
40V	10mV	
400V	100mV	
1000V	1V	

AC Voltage (Input impedance : 10MΩ)

Range	Resolution	Accuracy
400mV	0.1mV	±(1.0%rdg+5dgt)
4V	1mV	
40V	10mV	
400V	100mV	
750V	1V	

DC/AC mA / µA

(Overload protection 0.5A/250V fast blow fuse for 400mA)

Range	Resolution	Accuracy
400µA	0.1µA	DC: ±(1.0%rdg+5dgt) AC: ±(1.2%rdg+5dgt)
4000µA	1µA	
40mA	0.01mA	
400mA	0.1mA	

Resistance

Range	Resolution	Accuracy
40Ω	0.01 Ω	±(1.2%rdg+3dgt)
400Ω	0.1Ω	
4kΩ	1Ω	
40kΩ	10Ω	
400kΩ	100Ω	
4MΩ	1kΩ	±(2.0%rdg+4dgt)
40MΩ	10kΩ	
200MΩ	100kΩ	

Continuity

Range	Audible threshold
400Ω	Less than 30Ω

Frequency

Range	Resolution	Accuracy
400Hz	0.1Hz	±(0.5%rdg+2dgt)
4kHz	1Hz	
40kHz	10Hz	
400kHz	100Hz	
4MHz	1kHz	
40MHz	10kHz	

Capacitance

Range	Resolution	Accuracy
4 nF	1 pF	±(3.0%rdg+10dgt)
40 nF	10 pF	
400 nF	100 pF	
4 µF	1 nF	
40 µF	10 nF	
400 µF	100 nF	
4 mF	1 µF	
40 mF	10 µF	

Diode

Range	Accuracy
2V	±(1.5%rdg+3dgt)

Phase Rotation

Input Voltage	Frequency range	Circuit structure
80~750VAC	40~80Hz	All electronic (not mechanical)

General

Dimensions	188mm(L) x 90mm(W) x 54mm(D)
Weight	Approx. 346g (battery included)
Power source	1.5V (AAA) × 2
Safety standard	EN 61010-1 CAT III 600V EN 61326-1