



Professional Industrial Digital Multimeter



Features

- Double molded
- IP67 Dust and waterproof
- CATIV 600V
- CATIII 1000V

DT-9919

Professional Industrial Digital Multimeter

CEM

www.cem-meter.com.cn



The model of the new 9919 is Professional digital multimeter which provides much more safe measurements with double molded plastic housing design and IP67 waterproof function. 9919 performance like True RMS AC/DC voltage and current measurements, 40000 counts resolution and a 0.05% basic DC accuracy within the reach of more customers. The large LCD display with analog bargraph and backlight ensure that readings are easy to read under all circumstances.

All inputs are protected to EN 610101-1 CATIV 600V/CATIII 1000V.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Full ranges protection



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1, EN: 61010-02-031

Features

- 40,000 counts high resolution (0.01mV, 0.01μA, 0.01Ω)
- Backlit LCD display
- True RMS measurement
- 1000V input protection on all ranges
- 4-20mA process loop measurements with % readout
- Data Hold/MAX/MIN recording mode
- Auto Power Off
- Peak capture mode
- Wide capacitance range

Specifications

Function	Max. Range	Basic Accuracy
Voltage DC	1000 V	±0.06%
Voltage AC	1000V	±1.0%
Current DC	10A	±1.0%
Current AC	10A	±1.5%
Resistance	40MΩ	±0.3%
Duty Cycle	99.9%	±1.2%
Frequency	10MHz	±0.1%
Capacitance	40mF	±3.5%
Temperature	760°C/1400°F	±1.0%
Diode Check		
Continuity Test		

Size(HxWxD): 182mm x 82mm x 55mm

Weight: 360g

Accessories:

Test leads and 9V battery.

Type K temperature probe, gift box with carrying case.

• IP67 Dust and waterproof

• True RMS

• High resolution

• 40000 counts





IP67 Dust and waterproof

True RMS (9918T)



The five models of the new 9915, 9916, 9917, 9918 and 9918T series are the new 4000 counts multimeters. They set the standard with a combination of precision, features, easy-to-use, safety and reliability.

9918T has True RMS AC Voltage and Current readings, MAX-MIN recording, Peak recording, as well as Frequency and Capacitance ranges.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Full ranges protection



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1, EN: 61010-02-031

Features

	9915	9916	9917	9918/9918T
Digital display counts	4000	4000	4000	4000
True RMS measurement				9918T
Safety design	*	*	*	*
Relative zero	*	*	*	*
Data Hold	*	*	*	*
MAX/MIN recording mode				*
Auto Power Off	*	*	*	*
Peak capture mode				*
Wide capacitance range		20mF		*
Current DC/AC 40μA		*		*

Specifications

Function	Max. Range	Basic Accuracy	9915	9916	9917	9918/9918T
Voltage DC	1000 V	±0.5%	*	*	*	*
Voltage AC	1000V	±0.8%	*	*	*	*
Current DC	10A	±1.2%	*	*	*	*
Current AC	10A	±1.8%	*	*	*	*
Resistance	40MΩ	±0.8%	*	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*	*
Frequency	10MHz	±1.5%	*	*	*	*
Capacitance	200μF/40mF	±3.0%	200μF	20mF	200μF	40mF
Temperature	760°C/1400°F	±3.0%			*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 182mm x 82mm x 55mm

Weight: 360g

Accessories:

Test leads and 9V battery.

Type K temperature probe (9917/9918/9918T), gift box with carrying case.

DT-9926/9927/9927T/9928/9928B

Professional Digital Multimeters

CEM

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- IP67 Dust and waterproof
- High resolution

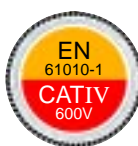
The five models of the new 9926, 9927, 9927T, 9928 and 9928B series are the new 6000 counts multimeters. They set the standard with a combination of precision, features, easy-to-use, safety and reliability.

9927T/9928/9928B have True RMS AC Voltage and Current readings, MAX-MIN recording.

True RMS(9927T)

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Full ranges protection



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1, EN: 61010-02-031



Features

	9926	9927	9927T	9928	9928B
Digital display counts	6000	6000	6000	11000	11000
True RMS measurement			*	*	*
Analog bargraph/segment	*/61	*/61	*/61		
Safety design	*	*	*	*	*
Relative mode	*	*	*	*	*
Data Hold	*	*	*	*	*
MAX/MIN recording mode	*	*	*	*	*
Auto Ranging	*	*	*	*	*
Auto Power Off	*	*	*	*	*
Wide capacitance range	1000μF	1000μF	1000μF	110mF	110mF

Specifications

Function	Max. Range	Basic Accuracy	9926	9927	9927T	9928	9928B
Voltage DC	1000 V	±0.0.9%	*	*	*	*	*
Voltage AC	1000V	±0.8%	*	*	*	*	*
Current DC	10A	±1.0%	*	*	*	*	*
Current AC	10A	±1.5%	*	*	*	*	*
Resistance	60MΩ	±0.3%	*	*	*	*	*
Temperature	760°C/1400°F	±3.0%		*	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*	*	*
Frequency	10MHz	±0.1%	*	*	*	*	*
Capacitance	1000μF	±3.0%		*	*		
	110mF	±3.0%				*	*
Diode Check			*	*	*	*	*
Continuity			*	*	*	*	*

Size(HxWxD): 182mm x 82mm x 55mm

Weight: 360g

Accessories:

Test leads and 9V battery.

Type K temperature probe (9927/9927T/9928), gift box with carrying case.



Compact Digital Multimeters



Features

- Double molded
- Compact case
- CATIV 600V
- CATIII 1000V (940/941)

DT-920/920N/921/922

Compact Digital Multimeters

CEM

www.cem-meter.com.cn



920/921/922/920N Series are new compact meters with double molded plastic housing and over sized high contrast 2000/4000 counts LCD display. They're all CAT III rated for 600V. The 920/921/922/920N models have auto-ranging function and provides 0.5% basic dc accuracy.

• 0.5% basic dc accuracy

• Double molded plastic housing

• Built-in Non-Contact AC Voltage Detector (920N)



Safety Conformance

- EN61010-1 CATIII 600V
- Double molded plastic housing
- Full ranges protection



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1, EN: 61010-02-031

Features

	920/920N	921	922
Digital display counts	2000	2000	4000
Safety design	*	*	*
Data Hold		*	*
Auto Ranging		*	*
Auto Power Off			*
MAX Hold		*	
Non-Contact ACV detection	920N		

Specifications

Function	Max Range	Basic Accuracy	920/920N	921	922
Voltage DC	600V	±0.5%	*	*	*
Voltage AC	600V	±1.2%	*	*	*
Current DC	10A	±2.5%	*	*	*
Current AC	10A	±3.0%	*	*	*
Resistance	2MΩ	±0.8%	*		
	20MΩ	±0.8%		*	
	40MΩ	±0.8%			*
Capacitance	200μF	±3.0%			*
Frequency	10MHz	±1.5%			*
Temperature	760°C/1400°F	±3.0%		*	*
Duty Cycle	9.99%	±1.2%		*	*
Diode Check			*	*	*
Continuity Test			*	*	*

Size(HxWxD): 150mm x 70mm x 48mm

Weight: 255g

Accessories:

Test leads and 9V battery. type K temperature probe (921/922), gift box with carrying case.





930/931/932/931N/932N Series are new compact meters with double molded plastic housing and over sized high contrast 6000 counts LCD display. They're all CAT III rated for 600V.



- True RMS (932)
- 6000 counts LCD display

- Double molded plastic housing
- Built-in Non-Contact AC Voltage Detector (931N/932N)



EMC & LVD
 EN: 50081-1, 50082-1
 EN: 61010-1, EN: 61010-02-031

Safety Conformance

- EN61010-1 CATIII 600V, CATII 1000V
- Double molded plastic housing
- Full ranges protection

Features

	930	931/931N	932/932N
Digital display counts	6000	6000	6000
True RMS measurements			*
Analog bargraph/segments	61-segments	61-segments	61-segments
Safety design	*	*	*
Data Hold	*	*	*
MAX/MIN recording mode	*	*	*
Auto Ranging	*	*	*
Auto Power Off	*	*	*
Adaptor ACA function	*	*	*
Non-Contact ACV detection		931N	932N

Specifications

Function	Max Range	Basic Accuracy	930	931/931N	932/932N
Voltage DC	1000V	±0.5%	*	*	*
Voltage AC	1000V	±0.8%	*	*	*
Current DC	10A	±1.2%	*	*	*
Current AC	10A	±1.8%	*	*	*
Resistance	60MΩ	±0.8%	*	*	*
Capacitance	1000μF	±3.0%	*	*	*
Frequency	10MHz	±1.5%	*	*	*
Temperature	760°C/1400°F	±3.0%		*	*
Duty Cycle	9.99%	±1.2%	*	*	*
Diode Check			*	*	*
Continuity Test			*	*	*

Size(HxWxD): 150mm x 70mm x 48mm
Weight: 255g

Accessories:

Test leads and 9V battery. type K temperature probe (931/931N/932/932N), gift box with carrying case.



940 Series are new compact meters with double molded plastic housing and over sized high contrast 4000 counts LCD display. They're all CAT III rated for 1000V.

0.5% basic dc accuracy

- Double molded plastic housing
- 1000V input protection on all ranges

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Double molded plastic housing
- Full ranges protection



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1, EN: 61010-02-031



Features

	940	941
Digital display counts	4000	4000
Safety design	*	*
Data Hold	*	*
Auto Ranging	*	*
Auto Power Off	*	*
1000V input protection on all ranges	*	*
Type K temperature input		*

Specifications

Function	Max Range	Basic Accuracy	940	941
Voltage DC	600V	±0.5%	*	*
Voltage AC	600V	±1.2%	*	*
Current DC	10A	±2.5%	*	*
Current AC	10A	±3.0%	*	*
Resistance	40MΩ	±0.8%	*	*
Capacitance	200μF	±3.0%	*	*
Frequency	10MHz	±1.5%	*	*
Temperature	760°C/1400°F	±3.0%		*
Duty Cycle	9.99%	±1.2%	*	*
Diode Check			*	*
Continuity Test			*	*

Size(HxWxD): 150mm x 70mm x 48mm

Weight: 255g

Accessories:

Test leads and 9V battery. K-type temperature probe (941).





Large LCD display



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1, EN: 61010-02-031



2005B/2008/2009/2006 offer high accuracy and all the measurement functions you need. They have double molded plastic housing and oversized high contrast 2000/4000/6000 counts LCD display with backlight.

Safety Conformance

All inputs are protected to EN61010-1, CATIII 600V, CATII-1000V

Features

	2005B	2008	2009	2006
Digital display counts	2000	2000	4000	6000
Analog Bargraph / 61 segments				*
MAX / MIN recording mode				*
Auto-ranging function			*	*
Double molded plastic housing	*	*	*	*
°C/°F switchable		*	*	*
Data Hold	*	*	*	*
Full overload protection on all ranges	*	*	*	*
Backlit LCD Display	*	*	*	*
BAT symbolic sign	*	*	*	*



Specifications

Function	Max Range	Basic Accuracy	2005B	2008	2009	2006
Voltage DC	1000V	±(0.5%+2d)	*	*	*	*
Voltage AC	700V	±(1.0%+3d)	*	*	*	*
Current DC	20A	±(1.5%+3d)	*	*	*	*
Current AC	20A	±(2.0%+3d)	*	*	*	*
Resistance	20MΩ	±(1.2%+2d)	*	*	40MΩ	60MΩ
Capacitance	200uF	±(4.0%+3d)	*	*	100uF	6000uF
Frequency	20kHz	±(1.5%+5d)		*	9,999MHz	9,999MHz
Temperature	760°C/1400°F	±(3.0%+3d)		*	*	*
Diode Check	Open Voltage 2.8V dc		*	*	*	*
Continuity Test	Threshold 30Ω		*	*	*	*

Size(HxWxD): 195mm x 92mm x 38mm

Weight: 380g

Accessories :

2008, 2009 & 2006: Test Leads, Type K temperature probe and 9V battery;
2005B: Test leads and 9V battery, gift box with carrying case.

DT-9905/9908

High Performance, High Accuracy Digital Multimeters

CEM

www.cem-meter.com.cn



The two models 9905 and 9908 are the only choice for users who simply want the best meter available.

They have double molded plastic housing and oversized high contrast 2000 counts LCD display with backlight.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Full ranges protection

Features

	9905	9908
Digital display counts	2000	2000
Safety design	*	*
Data Hold	*	*
Backlit LCD Display	*	*
Auto Power Off	*	*

Specifications

Function	Max. Range	Basic Accuracy	9905	9908
Voltage DC	1000 V	±0.5%	*	*
Voltage AC	700V	±1.2%	*	*
Current DC	20A	±2.5%	*	*
Current AC	20A	±3.0%	*	*
Resistance	20MΩ	±0.8%	*	*
Temperature	760°C/400°F	±3.0%		*
Frequency	2000Hz	±1.5%		*
Capacitance	200uF	±3.0%	*	*
Diode Check			*	*
Continuity test			*	*

Size(HxWxD): 182mm x 82mm x 55mm

Weight: 360g

Accessories:

Test leads and 9V battery.

Type K temperature probe (9908), gift box with carrying case.

Large LCD display

- Double molded
- IP67 Dust and waterproof



CE



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1, EN: 61010-02-031





991 Series Mini Digital Multimeters provide multifunction and lower price. Rugged pocket design is easy and safe to use with protective holster.



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1, EN: 61010-02-031

Safety Conformance

- EN61010-1 CATIII 600V
- Includes protective holster
- 10A fused protection

Features

	991	992(Auto)	993(Auto)
Digital display counts	2000	2000	4000
Safety design	*	*	*
Relative zero			*
Data Hold		*	*
Protective holster	*	*	*
Auto Power Off		*	*

Specifications

Function	Max Range	Basic Accuracy	991	992	993
Voltage DC	600V	±0.5%	*	*	*
Voltage AC	600V	±1.2%	*	*	*
Current DC	10A	±1.0%	*	*	*
Current AC	10A	±1.0%		*	*
Resistance	2MΩ	±0.8%	*	20M	40M
Capacitance	200uF	±3.5%			*
Frequency	10MHz	±1.5%			*
Temperature	760°C/1400°F	±3.0%		*	*
Duty Cycle	99.9%	±1.2%			*
Diode Check			*	*	*
Continuity Test			*	*	*

Size(HxWxD): 121.5mm x 60.6mm x 40mm
Weight: 150g

Accessories:

Test leads, Holster and 9V battery, clamshell.

DT-200 Series

High Performance Digital Multimeters

CEM

www.cem-meter.com.cn



True RMS 202T/204T

Large LCD display

200 Series offer a wide range of measurements including AC/DC Voltage, AC/DC Current, Resistance, Capacitance and so on. They are suitable for many electronic applications.

Safety Conformance

- EN61010-1 CATIII 600V
- Includes protective holster
- Full ranges protection



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1, EN: 61010-02-031



Features	200	201	202	202T	204	204T
True RMS measurements				*		*
LCD display counts	2000	2000	4000	4000	4000	4000
Analog Bargraph / segments					*/41	*/41
Manual ranging	*	*				
Auto and Manual ranging			*	*	*	*
Data Hold function	*	*	*	*	*	*
Relative function	*	*	*	*	*	*
MAX / MIN recording mode					*	*
Display with backlight	*	*	*	*	*	*
Auto Power Off			*	*	*	*
Low Battery Indication	*	*	*	*	*	*

Specifications			200	201	202	202T	204	204T
Function	Max. Range	Basic Accuracy						
Voltage DC	600V	$\pm(0.8\% \pm 2d)$	*	*	*	*	*	*
Voltage AC	600V	$\pm(1.2\% \pm 10d)$	*	*	*	*	*	*
Current DC	10A	$\pm(1.2\% \pm 2d)$	*	*	*	*	*	*
Current AC	10A	$\pm(1.8\% \pm 7d)$			*	*	*	*
Resistance	2000 Ω	$\pm(0.8\% \pm 2d)$	*	*				
	40M Ω	$\pm(0.8\% \pm 2d)$			*	*	*	*
Temperature	760°C/1400°F	$\pm(3.0\% \pm 3d)$		*	*	*	*	*
Duty Cycle	0.1%~99.9%	$\pm(1.2\% \pm 2d)$			*	*	*	*
Frequency	9.999MHz	$\pm(1.5\% \pm 4d)$			*	*	*	*
Capacitance	200 μ F	$\pm(2.5\% \pm 5d)$			*	*		
	40mF	$\pm(2.5\% \pm 5d)$					*	*
Diode Check	Open voltage 2.8Vdc; Test current 1mA		*	*	*	*	*	*
Continuity	Threshold 30 Ω		*	*	*	*	*	*
Bat. Test	9V(6mA); 1.5V(100mA)		*					

Size(HxWxD): 146mm x 66.2mm x 41.5mm

Weight: 200g

Accessories:

Test leads, K-type temperature probe(201, 202, 202T, 204, 204T) and 9V battery, gift box.



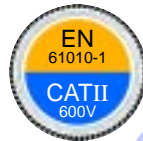
DT-10: 4000 counts, 8 functions including DCV, ACV, DCA, ACA, Resistance, Continuity and Diode test with Data Hold, Low impedance and non-contact ACV detection.

DT-16/16A: 6000 counts with Min/Max, Data hold and non-contact ACV detection.

- Non-Contact Voltage detection identifies live circuits
- Large high contrast 4000 counts LCD display with Analog bargraph (DT-10)
- Large high contrast 6000 counts LCD display with Analog bargraph (DT-16/16A)
- Auto Power off
- Relative, and Data Hold
- Built-in storage compartment for integrated test leads
- Over-range and low battery indication

Accessories:

DT-10/16/16A: Test leads, Wallet style case and one 1.5V L44 button battery.



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1,
EN: 61010-02-031



Rubber Protection



Oversized high contrast 4000/6000 counts LCD Display

Specifications

Function	Max Range	Basic Accuracy	10	16	16A
Voltage DC	600V	±(1.3%±2d)	*	*	*
Voltage AC	600V	±(2.3%±5d)	*	*	*
Resistance	40MΩ	±(2.0%±2d)	*	*	*
	60MΩ	±(1.0%±2d)		*	*
Continuity	Audible threshold < 50Ω		*	*	*
Diode test	Test Current 0.6mA		*	*	*
Frequency	9.999MHz	±(0.8%±5d)			*
Current DC	200mA	±(1.5%±2d)	*	*	
	4000μA/6000μA	±(2.5%±5d)	*	*	
Current AC	4000μA/6000μA	±(2.5%±5d)	*	*	
	200mA	±(2.5%±5d)	*	*	

Size(HxWxD): 126mm x 59mm x 32mm

Weight: 124g

Built-in Non-Contact Voltage Detector automatically detects a live wire when the red LED is lit





The four new pocket models 116, 118, 118B and 119 are double molded plastic housing and large high contrast 2000/4000 counts LCD display. They're all CAT III 1000V safety designed plus non-contact voltage detection & flashlight.

- Non-Contact Voltage Detection
- Flashlight
- Digital Multimeter

- Double Molded housing
- CAT III 1000V

Safety Conformance

- EN61010-1 CATIII 1000V
- 200mA fused protection (118/118B)

Features	116	118	118B	119
Digital display counts	2000	2000	4000	2000
Safety design	*	*	*	*
Auto Ranging	*	*	*	*
Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
Flashlight	*	*	*	*
Non-Contact Voltage detection	*	*	*	*
Pocket size	*	*	*	*

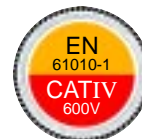
Specifications	Max Range	Basic Accuracy	116	118	118B	119
Voltage DC	600V	±0.5%	*	*	*	*
Voltage AC	600V	±1.2%	*	*	*	*
Current DC	200mA	±2.0%		*	*	
Current AC	200mA	±2.5%		*	*	
Resistance	2MΩ	±0.8%	*			
	20MΩ	±0.8%		*	40MΩ	*
Capacitance	100uF	±(3.0%±5d)			*	
Frequency	100kHz	±(0.8%±5d)			*	
NCV (VAC: 100V~600V)			*	*	*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 120mm x 55mm x 40mm

Weight: 145g

Accessories:

Test leads and two "AAA" batteries, clamshell.



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1,
EN: 61010-02-031





EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1,
EN: 61010-02-031

DT-101/102 Pocket DMMs

101/102 Series Pocket Digital Multimeters provide multifunction.

Features

	101	102
Digital display counts	2000	2000
Safety design	*	*
Protective holster	*	*
Pocket size	*	*

Specifications

Function	Max Range	Basic Accuracy	101	102
Voltage DC	500V	±0.5%	*	*
Voltage AC	500V	±1.8%	*	*
Current DC	200mA	±1.0%	*	*
Resistance	2MΩ	±0.8%	*	*
Diode Check			*	*
Continuity Test				*

Size(HxWxD): 101/102: 100mm x 48mm x 26mm

Weight: 101/102: 45g

DT-220 Panel Meter

- Large digital 1999 counts LCD display 220V AC voltage
- Operation without power supply
- Neutral and compact size
- High performance and reliability

Specifications

Range	300VAC
Resolution	1VAC
Accuracy	+/- (0.5FS+2d)
Sampling time	0.5 seconds



Hole Size(LxW): 67mm x 40mm x 16mm

Weight: 60g

2200/5200 Pocket Autoranging DMMs

These models are wide range multifunctional pocket size auto ranging DMMs.

They are the best choice for professional and precise measurements.



Specifications

Function	Max Range	Basic Accuracy	2200	5200
Voltage DC	500V	±(1.3%±2d)	*	*
Voltage AC	500V	±(2.3%±5d)	*	*
Current DC	300mA	±(2.0%±5d)	*	*
	400mA	±(1.5%±3d)		*
Current AC	300mA	±(2.5%±5d)	*	*
	400mA	±(1.8%±5d)		*
Resistance	30MΩ	±(2.0%±2d)	*	*
	40MΩ	±(1.0%±2d)		*
Continuity	Audible threshold < 50Ω		*	*
Diode test	Test Current 0.6mA		*	*
Capacitance	200uF	±(3.0%±5d)		*
Frequency	9.999MHz	±(0.8%±5d)		*

Size(HxWxD): 2200/5200 : 107.5mm x 64.5mm x 24.5mm

Weight: 2200/5200 : 100g



111/113: 4000 counts, 10 functions including DCV, ACV, DCA, ACA Resistance, Capacitance, Frequency, Duty Cycle, Continuity and diode test with Data Hold and Relative functions.

112: 2000 counts, 5 functions with Data Hold, Max Hold and Auto Power Off.

Specifications

Function	Max Range	Basic Accuracy	111	112	113
Voltage DC	500V	±(1.3%±2d)	*	*	*
Voltage AC	500V	±(2.3%±5d)	*	*	*
Resistance	20MΩ	±(2.0%±2d)		*	
	40MΩ	±(1.0%±2d)	*		*
Continuity	Audible threshold < 50Ω		*	*	*
Diode test	Test Current 0.6mA		*	*	*
Capacitance	200μF	±(3.0%±5d)	*		*
Frequency	9.999MHz	±(0.8%±5d)	*		*
Current DC	400mA	±(1.5%±2d)			*
Current AC	400mA	±(2.5%±5d)			*

Size(HxWxD): 113mm x 61mm x 13mm

Weight: 90g

Accessories:

111/112/113: Test leads, Wallet style case and one CR 2032 button battery.



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1,
EN: 61010-02-031

DT-3216/3218/3219 Pen-type Digital Multimeters

- 7 functions Pen-type Digital multimeters
- Large 3-3/4 digital LCD display with Bargraph
- Full function indication
- Diode and audible continuity



Specifications

Function	Max range	Basic accuracy	3216	3218	3219
Voltage DC	600V	±0.8%	*	*	*
Voltage AC	600V	±1.2%	*	*	*
Current DC		±1.5%	200mA	340mA	400mA
Current AC		±2.0%	200mA	340mA	400mA
Resistance		±3.0%	20MΩ	30MΩ	40MΩ
Continuity:	<35Ω				
Diode test:	Test voltage max. 3.4V				

Size(HxWxD): 230mm x 35mm x 20mm

Weight: 200g

Accessories:

Clamshell, button battery



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1,
EN: 61010-02-031





830BL DMM With Flash Light

Unique built-in flash light plus backlit LCD permit measurements in hard to see or dark areas

- 3 1/2 digital backlit LCD(1999 counts) with automatic polarity
- 3-position light switch: off, flash light and backlight
- Safety design

Size(HxWxD): 125mm x 75mm x 25mm

Weight: 190g



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1,

EN: 61010-02-031

6500 High Accuracy Capacitance Meter

- High accuracy to $\pm 0.5\%$
- Wide range from 0.1pF to 20mF capacitance
- Test frequency from 8.2Hz to 820Hz
- 1999 counts 3 1/2 digital LCD display
- Low battery and function indications

Specifications		
	Range	Basic Accuracy
Capacitance	200pF, 2nF, 20nF, 200nF, 2uF, 20uF, 200uF, 2000uF, 20mF	$\pm(0.5\%+1d)$

Size(HxWxD): 145mm x 69mm x 38mm

Weight: 190g

Accessories:

Test leads, gift box with carrying case.



MF-133 & YX-360 Analogue multimeters

- MF-133: 5 functions 16 Measuring Ranges including 500V DC, 500V AC and resistance 200k Ω
- YX-360: 8 functions 20 Measuring Ranges including 1000V DC, 1000V AC and resistance 20M Ω
- Fuse and diode protection
- Power source: MF-133: R6 (1.5V) x 1; YX-360: 6F22 (9V) x 1, AA(1.5V) x 2

Size(HxWxD): MF-133 : 100mm x 64mm x 33mm

YX-360 : 150mm x 100mm x 35mm

Weight: MF-133 : 95g

YX-360 : 245g



9930 is new 11000 Counts LCR Meter

9931 is new 11000 Counts LCR Meter with digital multimeter



Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Full ranges protection

IP67 Dust and waterproof

Double molded plastic housing



Features

	9930	9931
Digital display counts	11000	11000
Safety design	*	*
Data Hold	*	*
MAX/MIN recording mode	*	*
Auto Ranging	*	*
Auto Power Off	*	*
DMM + LCR		*

Specifications (Multimeter)

Function	Max Range	Basic Accuracy	9930	9931
Voltage DC	1000V	±0.5%		*
Voltage AC	1000V	±0.8%		*
Current DC	1.1A	±1.2%		*
Current AC	1.1A	±1.8%		*
Frequency	10MHz	±1.5%		*
Duty Cycle	9.99%	±1.2%		*
Diode Check			*	*
Continuity Test			*	*



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1, EN: 61010-02-031

Specifications (LCR)

Function	Range	Resolution	Accuracy	
Resistance (Auto-ranging)	110.00Ω	0.01Ω	±1.2% of rdg ±5 digits	
	1.1000KΩ	1Ω	±1.2% of rdg ±8 digits	
	11.000KΩ	1Ω		
	110.00KΩ	10Ω		
	Capacitance	1.1000MΩ	100Ω	±1.2% of rdg ±8 digits
		11.000MΩ	1KΩ	
110.00MΩ		10KΩ		
11.000nF		1pF	±5.0% of rdg ±30 digits	
110.00nF		1pF	±5.0% of rdg ±15 digits	
1.1000nF		0.1nF	±3.0% of rdg ±10 digits	
11.000nF	1nF			
110.00nF	0.01uF			
1.1000nF	0.1uF			
Inductance	11.000nF	1uF	±10% of rdg ±10 digits	
	110.00nF	10uF		
	11mH	1uH	±(2%+5)	
	110mH	1uH		
	11H	1mH	±(5%+5)	
	110H	1mH	±(5%+15)	



Size(HxWxD): 150mm x 70mm x 48mm

Weight: 255g

Accessories:

Test leads and 9V battery, gift box with carrying case.



The two models of the new 9980 and 9981 series are the new benchmark multimeters. They set the standard with a combination of precision, features, easy-to-use, safety and reliability.

They have True RMS AC Voltage and Current readings, MAX-MIN recording, Peak recording, as well as Frequency and Capacitance ranges.

- IP67 Dust and waterproof
- True RMS

- High resolution
- 40000 counts

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Full ranges protection



EMC & LVD
 EN: 50081-1, 50082-1
 EN: 61010-1, EN: 61010-02-031



Features

	9980	9981
Digital display counts	40000	40000
True RMS measurement	*	*
Safety design	*	*
4-20mA process loop measurements with % readout	*	*
Data Hold	*	*
MAX/MIN recording mode	*	*
Auto Power Off	*	*
Peak capture mode	*	*
Wide capacitance range	*	*

Specifications

Function	Max. Range	Basic Accuracy	9980	9981
Voltage DC	1000 V	±0.5%	*	*
Voltage AC	1000V	±0.8%	*	*
Current DC	10A	±1.2%	*	*
Current AC	10A	±1.8%	*	*
Resistance	40MΩ	±0.8%	*	*
Duty Cycle	99.9%	±1.2%	*	*
Frequency	10MHz	±1.5%	*	*
Capacitance	40mF	±3.0%	40mF	40mF
Temperature	760°C/1400°F	±1.0%		*
Diode Check			*	*
Continuity Test			*	*

Size(HxWxD): 215mm x 93mm x 60mm

Weight: 450g

Accessories:

Test leads and 9V battery.
 Type K temperature probe, gift box with carrying case.



The 9932FC is the preferred model for a large number of professionals. It is perfectly suited for many electronic applications and has the optional RS-232 cable and Windows compatible software allows user to collect, display, plot and save data.

CAT III 1000V



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1, EN: 61010-02-031



Safety Conformance

- EN61010-1, CATIII 1000V
- Input Warning: Audible and visual alerts if test lead connections do not match function selected

Features

- Oversized high contrast 4000 counts backlight LCD Display
- Safety Warning LCD-Annunciator
- Optically isolated PC interface
- Data Hold
- Auto Power Off
- Overload protection



Power: Standard 9V battery (NEDA 1604, IEC 6F22)

Specifications

Function	Max Range	Min Resolution	Basic Accuracy
Voltage DC	1000V	0.1mV	±(1.2%+2d)
Voltage AC	750V	0.1mV	±(0.8%+3d)
Current DC	20A	0.1uA	±(1.5%+3d)
Current AC	20A	0.1uA	±(1.8%+5d)
Resistance	40MΩ	0.1Ω	±(1.0%+2d)
Capacitance	100uF	10pF	±(3.5%+5d)
Frequency	9.999MHz	0.001Hz	±(1.2%+3d)
Duty Cycle	99.9%	0.1%	±(1.2%+2d)
Temperature	1000°C/1832°F	0.1°C/°F	±(3%+2°C/°F)
Diode Check	1.5V dc test 0.3mA current		
Continuity Check	Threshold 30Ω, continuity beeper 2.7kHz		

Size(HxWxD): 197mm x 88.4mm x 41.2mm

Weight: 635g

Accessories :

Rubber holster, Test leads, K-type temperature probe, 9V battery, RS-232 PC cable and Software diskette.

