9205

9208

Technical Datasheet

Basic Functions	Range	Best Resolution	Basic Accuracy 9205	Basic Accuracy 9208
DC Current	20mA/200mA	10 μ A	± (1. 2%+5)	
	10A	10mA	± (2%+5)	
AC Current	20mA/200mA	10 μ A	± (1. 8%+5)	
	10A	10mA	± (3%+7)	
DC Voltage	200mV/2V/20V/200V	0. 1mV	± (0. 5%+5)	
	1000V	1V	± (0. 8%+5)	
AC Voltage	20V/200V/750V	10mV	± (1. 2%+7)	
Resistor	R×200/R×2K/R×20K/R×200K/R×2M	0. 1 Ω	± (1%+5)	
	R×20M	10k Ω	± (1%+5)	
	R×200M	100k Ω	± (5%+5)	
Capacitance	20nF/200nF/2 μ F	10pF	± (3%+10)	
	200uF	100nF	± (5%+10)	
Frequency	2kHz	1Hz	± (1. 5%+5)	----
	20kHz	100Hz	± (1. 5%+5)	± (1. 5%+5)
Temperature	-30~1000℃	1℃	----	± (3%+5)
	-22℉-1832℉	1℉		

For specific gear, pls refer to product pictures and real objects

Special Functions		9205	9208
Ture RMS	TRUE RMS 2KHz	√	√
Continuity Buzzer	R<50 Ω	√	√
Infrared Remoter Detection	⊥< ±15° Distance 1~30cm	√	√
Triode(hFE)	R×10hFE 0-1000	√	√
Diode Detector		√	√
Livewire Identification		√	√
Data Hold		√	√
Anti-drop Rubber Jacket		√	√
Self-recovery Protection		√	√
Magnetic Adherence	about 320g (Battery Excluded)	√	√

830L

830C

Technical Datasheet

Basic Functions	Range	Best Resolution	Basic Accuracy 830L	Basic Accuracy 830C	Basic Accuracy 830Z
DC Current	200 μ A	100nA	± (1. 5%+2)	----	
	2mA/20mA/200mA	1μ A	± (1. 5%+2)		----
	10A	10mA	± (3%+2)		
	40mA/400mA	10 μ A	----		± (1. 8%+2)
	10A	10mA	----		± (3%+2)
AC Current	40mA/400mA	10 μ A	----		± (2%+3)
	10A	10mA	----		± (3%+5)
AC Voltage	200V/600V	0. 1mV	± (1. 2%+10)		----
	4V/40V/400V/600V	1mV	----		± (1. 5%+5)
DC Voltage	200mV/2V/20V/200V/600V	0. 1mV	± (0. 8%+5)		----
	400mV/4V/40V/400V/600V		----		± (1. 5%+5)
Resistor	R×200/R×2K/ R×20K/R×200K/R×2M	0. 1Ω	± (1%+3)		----
	R×400/R×4K/R×40K/ R×400K/R×4M/R×40M		----		± (1. 2%+5)
Temperature	-20℃ ~ +1000℃	1℃	----	±(1. 9%+15)	----
Frequency	40/400/4K/40K/4M/20M	0. 01Hz	----		± (0. 5%+3)
Capacitance	40nF/400nF/4 μ F /40 μ F/100 μ F	0. 01nF			± (3%+5)

For specific gear, pls refer to product pictures and real objects

Special Functions		830L	830C	830Z
Ture RMS	TRUE RMS	√		
Diode Detector		√	√	√
Continuity Buzzer		√	√	√
Triode		√	√	√
Low Battery Display		√	√	√
Data Hold		√	√	√
Negative Polarity Display		√	√	√
Backlit		√	√	√
Sampling Frequency	3 times/s	√	√	√
Operation Method	Manual Ranging	√	√	√
Max Display	1999	√	√	
	3999			√
Input Impedance		1 MΩ	1 MΩ	10M Ω
Self-recovery Protection		√	√	√

830Z

6013

Technical Datasheet

Basic Functions	Range	Best Resolution	Basic Accuracy
Capacitance	600pF	0. 1pF	± (0. 6%+2)
	6nF	1pF	
	60nF	10pF	
	600nF	100pF	
	6μF	1nF	
	60μF	10nF	
	600μF	100nF	
	6000μF	1 μ F	± (1. 2%+2)
	60mF	10 μ F	± (2. 5%+3)
	100mF	0.1mF	± (4%+3)

For specific gear, pls refer to product pictures and real objects

Special Functions		
Low Battery Display		√
Data Hold		√
Negative Polarity Display		√
Backlit		√
Sampling Frequency	3 times/s	√
Operation Method	Manual Ranging	√
Max Display	1999	√
Input Impedance	1M Ω	√

T 21A

T 21B

T 21C

Technical Datasheet

Basic Functions	Range	Best Resolution	Basic Accuracy		
			T 21A	T 21B	T 21C
DC Current	2mA	1 μ A	± (1%+5)	----	
	20mA/200mA	10 μ A	± (1%+5)		
	10A	10mA	± (3%+10)		
AC Voltage	200V/600V	100mV	± (1%+10)		
DC Voltage	200mV/2V/20V/200V/600V	0. 1mV	± (0.5%+5)		
Resistor	R×200/R×2K R×200K/R×2M/R×20M	0. 1 Ω	± (1%+3)		
Temperature (℃)	−20℃ − +1000℃	1℃	----		± (1%+5)

For specific gear, pls refer to product pictures and real objects

Special Functions				
NCV	90−1000V AC Sound−light Alarm	√	√	√
Backlit		√	√	√
Illumination	5mmLED Illumination	√	√	√
Magnetic Adherence		√	√	√
Diode Detector		√	√	√
Continuity Buzzer	Buzzer +Light	√	√	√
Infrared Remoter Detection			√	
Temperature℃				√
Triode		√	√	√
Low Battery Display		√	√	√
Data Hold		√	√	√
Negative Polarity Display		√	√	√
Sampling Frequency	three times/s	√	√	√
Operation Method	Manual Ranging	√	√	√
Max Display		1999	1999	1999
Input Impedance		1M Ω	1M Ω	1M Ω
mA Input Protection	Fuse	200mA	200mA	200mA
10A Input Protection	Fuse	**10A**	**10A**	**10A**
Anti−drop Rubber Jacket		√	√	√

T 21D

6000 counts

Auto-ranging

T 21E

Intelligent Meter

6000 counts

Intelligent Meter

Basic Functions	Range	Best Resolution	Basic Accuracy	
			T 21E	T 21D
DC Current	60mA/600mA	0.01mA	----	± (1.2%+5)
	10A	10mA	----	± (3%+5)
AC Current	60mA/600mA	0.01mA	----	± (1.5%+5)
	10A	10mA	----	± (3%+5)
AC Voltage	1V～600V(≥1V)	0.001V	± (1%+5)	----
	600mV/6V/60V/600V	0.1mV	----	± (1%+4)
DC Voltage	0.5V～600V(≥0.5V)	0.001V	± (0.8%+5)	----
	600mV/6V/60V/600V	0.1mV	----	± (0.5%+5)
Resistor	1Ω～10M (≥1Ω)	1Ω	± (1%+3)	----
	R×600/R×6K/R×60K/ R×600K/R×6M/R×60M	0.1Ω	----	± (0.8%+5)
Temperature (℃/℉)	-20℃ ~ +1000℃(-4℉~1832℉)	1℃ (1℉)	----	± (1%+3)
Frequency	10Hz~1000Hz(Trigger voltage≥1V)	0.1Hz	± (2%+10)	----
	9.999Hz/99.99Hz/999.9Hz/9.999KHz/ 99.99KHz/999.9KHz/9.999MHz	0.001Hz	----	± (1.5%+5)
Capacitance	600μF/6000μF	0.1μF	± (4%+10)	----
	60nF/600nF/6μF/60μF /600μF/6mF/100mF	0.01nF	----	± (4%+5)

For specific gear, pls refer to product pictures and real objects

Special Functions			
Ture RMS	Ture RMS	45Hz~400Hz	10Hz~1KHz
NCV	90-1000V AC Sound-light Alarm	√	√
Backlit		√	√
Illumination	5mmLED Illumination	√	√
Magnetic Adherence		√	√
Diode Detector		√	√
Diode /Capacitance	High Voltage Input Alarm	√	
Continuity Buzzer	Buzzer +Light	√	√
℃/℉ Shift			√
Duty Cycle	1%-99%		√
Low Battery Display		√	√
Data Hold		√	√
Data HNegative Polarity Displayold		√	√
Sampling Frequency	three times/s	√	√
Operation Method		Auto Ranging	Auto Ranging
Max Display		6000	6000
Input Impedance		10MΩ	10MΩ
mA Input Protection	Fuse	None	600mA
10A Input Protection	Fuse	None	10A
Anti-drop Rubber Jacket		√	√

T 21F

Intelligent Meter

4000 counts

T 21G

Intelligent Meter

6000 counts

T 28A

T 28B

T 28C

Technical Datasheet

Basic Functions	Range	Best Resolution	Basic Accuracy		
			T 28A	T 28B	T 28C
DC Current	60 μ A	0. 01 μ A	± (1. 2%+5)	----	± (1. 2%+5)
	600 μ A	0. 1 μ A	----	± (1. 2%+5)	----
	60mA/600mA	0. 01mA	± (1. 2%+5)		
	20A	10mA	± (2%+5)		
AC Current	600 μ A	0. 1 μ A	----	± (1. 5%+5)	----
	60mA/600mA	10 μ A	± (1. 5%+5)		
	20A	10mA	± (2%+5)		
DC Voltage	600mV/6V/60V/600V	0. 1mV	± (0. 5%+5)		
	1000V	1V	± (0. 8%+5)		
AC Voltage	600mV	0. 1mV	----	± (1%+4)	----
	6V/60V	1mV	± (1%+4)		
	600V/750V	100mV	± (1. 2%+4)		
Resistor	600/6K/60K/600K/6M	0. 1 Ω	± (0. 8%+5)		
	60M	10K	± (1. 2%+5)		
Capacitance	6nF/60nF/600nF/6uF/60uF/600uF/6mF	0. 001nF	± (4%+5)		
	100mF	0. 01mF	± (5%+5)		
Frequency	10Hz/10MHz	0. 001Hz	± (1. 5%+5)		
Temperature (℃)	-20~1000℃	1℃	----	± (1%+3)	± (1%+3)

For specific gear, pls refer to product pictures and real objects

Special Functions		T 28A	T 28B	T 28C
Ture RMS	TRUE RMS 10Hz-1kHz	√	√	√
Auto			√	
Manual		√		√
6000 counts		√	√	√
Continuity Buzzer	R<50 Ω	√	√	√
Diode Detector	Open Circuit Voltage 2. 8V	√	√	√
Infrared Remoter Detection	⊥< ±15° Distance 1~30cm	√		√
Triode(hFE)	0~1000	√		√
NCV Induced Pen	Close Measurement	√	√	√
℃/°F shift			√	√
Backlit		√	√	√
Illumination		√	√	√
mA Input Protection	600mA	√	√	√
20A Input Protection	20A	√	√	√
Data Hold		√	√	√
Anti-drop Rubber Jacket		√	√	√
Magnetic Adherence		√	√	√

Intelligent Measuring Pen

Technical Datasheet T 02A

Voltage detection range	12~1000V, 50/60Hz
Boot key	Have
Shutdown key	Be off after 5 mints without operation
Measurement alarm	Yellow light is on when the signal is weak, and red light is on when the signal is strong. The buzzcue also becomes faster or slower with signal intensity
Illumination/red light indicator	Tap to turn on the lighting, and then tap to turn off the lighting. Press and hold for 2s to turn on the red indicator
Sensitivity regulation	Have
Sensitivity Settings	Have
Fire discrimination	The neutral line or weak electric field can only trigger the yellow light to be on, and only the live line can trigger the red light

T-02B:On the basis of the T-02A, with voice broadcast function

Infrared Thermometer

T 380/580

Technical Datasheet

Basic Functions	Range	Best Resolution	Basic Accuracy			
			380	380A	580	580A
Measuring temperature range	-50-400℃	0.1	≥0℃(32℉):±1.5℃(±2.7℉)			
	(-58-752℉)		or ±1.5% take the maximum value			
			<0℃(32℉):±3℃(±5.4℉)			
			or ±3% take the maximum value			
	-50-600℃				≥0℃(32℉):±1.5℃(±2.7℉)	
	(-58-1112℉)				or ±1.5% take the maximum value	
					<0℃(32℉):±3℃(±5.4℉)	
					or ±3% take the maximum value	

T 380A/580A

Special Functions					
Emissivity	0.95 Preset	√		√	
	0.10-1.0 Adjustable		√		√
Max value			√		√
Repetitiveness	1% of reading or 1℃	√	√	√	√
The response wavelength	8-14um	√	√	√	√
Response time	500mSec,95% Response	√	√	√	√
Object distance ratio	12:1	√	√	√	√
Laser aiming	Red light (the human eye cannot see directly)	√	√	√	√
Back lighting		√	√	√	√
Autolock		√	√	√	√
℃/℉switch		√	√	√	√

T 400/600

Technical Datasheet

Basic Functions	Range	Best Resolution	Basic Accuracy			
			T 400	T 400A	T 600	T 600A
Measuring temperature range	-50-400℃	0.1	≥0℃(32℉):±1.5℃(±2.7℉)			
	(-58-752℉)		or ±1.5% take the maximum value			
			<0℃(32℉):±3℃(±5.4℉)			
			or ±3% take the maximum value			
	-50-600℃				≥0℃(32℉):±1.5℃(±2.7℉)	
	(-58-1112℉)				or ±1.5% take the maximum value	
					<0℃(32℉):±3℃(±5.4℉)	
					or ±3% take the maximum value	

T 400A/600A

Special Functions			
Emissivity	0.95 Preset	√	
	0.10-1.0 Adjustable		√
Max value			√
Repetitiveness	1% of reading or 1℃	√	√
The response wavelength	8-14um	√	√
Response time	500mSec,95% Response	√	√
Object distance ratio	12:1	√	√
Laser aiming	Red light (the human eye cannot see directly)	√	√
Back lighting		√	√
Autolock		√	√
℃/℉switch		√	√

Intelligent Battery Performance Analyzer

FY-54

FY-64

Technical Datasheet

Technical Datasheet	
Battery type: lead-acid battery	
Battery Specifications: 2V, 6V, 12V	
Measuring range:10Ah-240Ah	FY-54
Measuring range:4Ah-500Ah	TY-64
Discharge current:≈10A	2V
≈30A	6V
≈60A	12V
Capacity color code:Red area:the battery has been discharged and should be charged immediately	
Yellow area:the battery is low and should be charged immediately	
Green area: battery is sufficient and can be used normally	
Measurement time: <3s (seconds)	

Socket Tester

LF-001

LF-002

Technical Datasheet LF001/LF002

		LF001	LF002
Voltage detection range	220V AC(50-60Hz)	√	√
Measuring instructions	Red light on	√	√
leakage protection test	Test whether the leakage protector is working properly	√	√
Adapt to the panel		The 10A / 16A is switchable	10A

T 003

T 003

Technical Datasheet T003

Voltage detection range	90～250V/45～65Hz
Measuring instructions	LCD display wiring status
leakage protection test	Test whether the leakage protector is working properly
Machine working current	<3mA (Non-RCD test status)
Measure voltage accuracy	± (2%+5)
RCD current	>30mA (220V) ;>10mA(110V)
RCD working voltage	220V±20V or 110V±20V