

Electrician's & Electronic Tool



Electronic Welding Tool

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Electrician's & Electronic Tool



02002A ESD Digital Lead-Free Soldering Station



Voltage	AC 220V/50Hz
Max Power	90W
Temperature	50-600°C
Temperature Stability (No load)	+/-2°C
Time of Temperature Rising	25s (20-350°C)
Tip to Ground Resistance	<2Ω
Heating Mode	High Frequency Current
Auto Sleeping	Yes
ESD Housing	Yes
Weight	About 1.2kg

- LED display, key type temperature adjustment, digital temperature calibration
- Advanced HFEC heating technology realizes rapid heating and back to temperature
- Special sensor design ensures fast response and quick temperature adjustment
- Accurate temperature control circuit with a constant temperature accuracy of +/-2°C
- Automatic sleep function for power saving and extended service life
- Specially designed split internal heating welding head with smaller ground resistance
- Compact and robust housing made of aluminum alloy
- ESD design realizes anti-static operation

No.			
02002A	-	6	14.2

▲ 1-year warranty for overall unit except heating element, soldering iron, soldering tips

03200 ESD Digital Lead-Free Soldering Station



Supply Voltage	220VAC, 50Hz
Leakage Current	≤1mA
Electric Strength	No breakdown in 1 min. at 1500V
Static Capacity	≤20pF
Consumed Power	60W
Starting Time	60s
Temperature Range	200°C-450°C

Product Feature:

- Lead-free long-life welding nozzle for lead-free welding and durability
- Handle with temperature control structure and knob for direct temperature indication
- Quality high-grade ceramic heating core for quick heating and high thermal efficiency
- High-precision IC temperature control circuit for accurate constant temperature control
- Equipped with LED indicator to provide more intuitive status indication during working and heating

Precautions

- It is strictly prohibited to remove the electric heating parts when the electric iron is in use
- Soldering iron base with natural heat dissipation structure shall be provided during operation
- If the power cord is damaged, it must be repaired and replaced by a professional
- Keep the welding tip always hanging tin
- Do not use a file or hammer to repair and knock the welding tip
- Place it away from children to avoid scald

No.			
03200	-	18	4.3

▲ Excluded from lifetime warranty terms.

02003 ESD Digital Lead-Free Soldering Station



Display Type	Digital LED
Power Consumption	70W
Working Voltage	AC 220V/50Hz
Temperature (As per Working Mode)	100°C - 450°C
Temperature Stability (Still Air Without Load)	+/-2°C
Ambient Temperature (Max)	40°C
Tip to Ground Voltage	<2mV
Tip to Ground Resistance	<2Ω
Dimensions	[WxHxD]: 85x110x138mm
Main Unit Weight (Including Power Cord)	About 14kg
Length of Handle Wire	1.2m
Soldering Iron Weight	About 70g

- High temperature resistant heating element, long lifetime
- High-precision sensor, accurate temperature control and sensitive response
- Fast heating and rapid thermal compensation
- Digital temperature regulation, various of tips available, easy to use
- Special designed three temperature points for quick temperature switching and make sure consistent process

No.			
02003	-	6	13.2

▲ 1-year warranty for overall unit except heating element, soldering iron, soldering tips

03260 Inner-Heated Ceramic Heating Element Soldering Iron 25W



Voltage	AC 220V/50Hz Insulation
resistance	Greater than 100MΩ
Power	25W

- High-quality high-grade ceramic heating element, ensuring fast temperature rise and high thermal efficiency
- Heating temperature within 420° C-450° C, ultra-long service life, energy conservation and environmental protection
- Compatible with 900M series soldering tips
- Long-life lead-free soldering tips, especially suitable for lead-free soldering process, and also applicable to continuous soldering in production lines

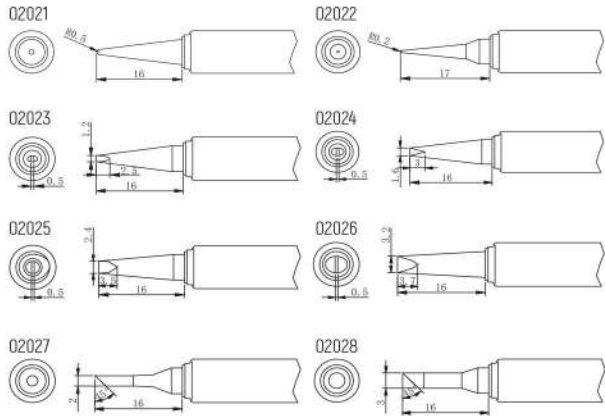
*Replaceable soldering tips: 03264, 03265, 03266, 03267, 03268, 03269, 03270, 03271, 03272, 03273

No.	Spec.			
03260	25 Watts	18	36	5.9

▲ Excluded from lifetime warranty terms.



5pc Lead-Free Soldering Tip Set (for 02002A Lead-Free Soldering Station)

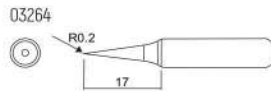


- Special tubing design, small touching resistance
- Processed by CNC digital machine, high precision sizes
- Ultra-long time of electroplating, excellent corrosion resistance
- Kinds of lead free soldering tips optional
- Suitable for SATA 02002A digital soldering station

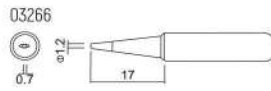
No.	Model			
02021	Lead-Free Soldering Tip, Round	5	100	6.2
02022	Lead-Free Soldering Tip, Pointed	5	100	6.5
02023	Lead-Free Soldering Tip, Slotted 1.2D	5	100	6.4
02024	Lead-Free Soldering Tip, Slotted 1.6D	5	100	6.4
02025	Lead-Free Soldering Tip, Slotted 2.4D	5	100	6.5
02026	Lead-Free Soldering Tip, Slotted 3.2D	5	100	6.6
02027	Lead-Free Soldering Tip, U-Shaped 2C	5	100	5.8
02028	Lead-Free Soldering Tip, U-Shaped 3C	5	100	6.5

▲ Excluded from lifetime warranty terms.

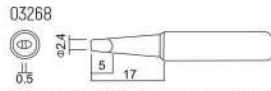
Lead-Free Internally-Heating Soldering Tip (Suitable for 02003 Lead-Free Soldering Station, 03260 Electric Soldering Iron)



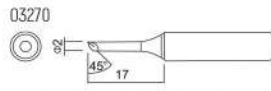
03264
Suitable for welding high frequency devices, high frequency cables and plug cores, and applicable to SATA industrial-grade intelligent lead-free soldering station 02003, SATA 03260 ceramic internally-heated electric iron and 900M series electric iron products of other brands



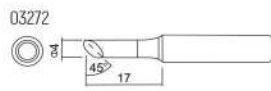
03266
Suitable for welding components with narrow print line, and applicable to SATA industrial-grade intelligent lead-free soldering station 02003, SATA 03260 ceramic internally-heated electric iron and 900M series electric iron products of other brands



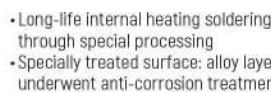
03268
Suitable for welding of plugs, socket leads, small components and components with high density, and applicable to SATA industrial-grade intelligent lead-free soldering station 02003, SATA 03260 ceramic internally-heated electric iron and 900M series electric iron products of other brands



03270
Suitable for welding of plugs, socket leads, small components and components with high density, and applicable to SATA industrial-grade intelligent lead-free soldering station 02003, SATA 03260 ceramic internally-heated electric iron and 900M series electric iron products of other brands



03272
Suitable for welding components with wide print line and large welding surface such as panel components and ground wire, and applicable to SATA industrial-grade intelligent lead-free soldering station 02003, SATA 03260 ceramic internally-heated electric iron and 900M series electric iron products of other brands



03277
Suitable for welding components with wide print line and large welding surface such as panel components and ground wire, and applicable to SATA industrial-grade intelligent lead-free soldering station 02003, SATA 03260 ceramic internally-heated electric iron and 900M series electric iron products of other brands

No.	Model			
03264	Lead-Free Inner-Heated Soldering Tip, Pointed	10	1000	6
03265	Lead-Free Inner-Heated Soldering Tip, Round	10	1000	6
03266	Lead-Free Inner-Heated Soldering Tip, Slotted 1.2D	10	1000	6
03267	Lead-Free Inner-Heated Soldering Tip, Slotted 1.6D	10	1000	6
03268	Lead-Free Inner-Heated Soldering Tip, Slotted 2.4D	10	1000	6
03269	Lead-Free Inner-Heated Soldering Tip, Slotted 3.2D	10	1000	6
03270	Lead-Free Inner-Heated Soldering Tip, U-Shaped 2C	10	1000	6
03271	Lead-Free Inner-Heated Soldering Tip, U-Shaped 3C	10	1000	6
03272	Lead-Free Inner-Heated Soldering Tip, U-Shaped 4C	10	1000	11.5
03273	Lead-Free Inner-Heated Soldering Tip, Knife-Shaped 5K	10	1000	6

▲ Excluded from lifetime warranty terms.



03261 Inner-Heated Ceramic Heating Element Soldering Iron 40W



- It is especially suitable for industrial to use on large workpieces
 - High-quality high-grade ceramic heating element ensuring fast temperature rise and high thermal efficiency
 - Heating temperature within 420° C-450° C, ultra-long service life, energy conservation and environmental protection
 - Long-life lead-free soldering tips, especially suitable for lead-free soldering process, and also applicable to continuous soldering in production lines
- *Replaceable soldering tips: 03274

No.	Spec.			
03261	40 Watts	-	18	4,8

▲ Excluded from lifetime warranty terms.

03262 Inner-Heated Ceramic Heating Element Soldering Iron 60W



- It is especially suitable for industrial to use on large workpieces
 - High-quality high-grade ceramic heating element ensuring fast temperature rise and high thermal efficiency
 - Heating temperature within 420° C-450° C, ultra-long service life, energy conservation and environmental protection
 - Long-life lead-free soldering tips, especially suitable for lead-free soldering process, and also applicable to continuous soldering in production lines
- *Replaceable soldering tips: 03275




No.	Spec.			
03262	60 Watts	-	18	5,9

▲ Excluded from lifetime warranty terms.

03263 Dual Power Soldering Iron 20W/130W



- Traditional soldering iron is configured with power in one-level mode. However, 03263 is configured with power in two-level mode. The power can be increased from 20W to 130W when the button is pressed. Therefore, one soldering iron can weld components in different sizes
 - Provided with the ceramic heating element, heat-insulated handle for fear of scalds, and lightweight unit, ensuring a comfortable grip
- *Replaceable soldering tips: 03276

No.	Spec.			
03263	20W/130W	18	36	6,7

▲ Excluded from lifetime warranty terms.

What is an externally-heating electric soldering iron?

Insert the soldering tip into the heater hole of the electric iron, and the heat of the heater is transmitted to the iron tip to make it heat up and complete the welding function. The temperature of the iron tip can be adjusted, and the length of the iron tip in the heater hole can be adjusted or different shapes of the iron tip can be used.

Product Knowledge

Why does the iron tip service life vary?

The life of the iron tip is determined by the number of solder joints, which is subjected to the thickness of the coating on the tip. The thicker the coating, the longer the service life of the soldering tip, but the heat transfer efficiency will be greatly reduced.

What is the feature of SATA product?

Iron tip with 40,000 solder joints can be called the long-life iron tip. The welding points of SATA iron tip are more than 40,000 points.

SATA electric iron tip coating is subjected to electroplating with optimal pyroconductivity while guaranteeing 40,000 solder joints.



03274 Lead-Free Inner-Heated Soldering Tip, Conic B



- Long-life internal heating soldering iron tip made of high-grade and high-quality copper through special processing
- Specially treated surface: alloy layer with high resistance to oxidation and wear. Surface underwent anti-corrosion treatment, ensuring excellent corrosion resistance
- Service life up to 40000 soldering spots under normal-use conditions
- Tinned soldering iron tip, making the welding operation faster and more convenient
- This soldering iron tip is suitable for SATA 03261 ceramic internal heating soldering iron

No.			
03274	10	480	6.1

▲ Excluded from lifetime warranty terms.

03275 Lead-Free Inner-Heated Soldering Tip, U-Shaped 6C



- Long-life internal heating soldering iron tip made of high-grade and high-quality copper through special processing
- Specially treated surface: alloy layer with high resistance to oxidation and wear. Surface underwent anti-corrosion treatment, ensuring excellent corrosion resistance
- Service life up to 40000 soldering spots under normal-use conditions
- Tinned soldering iron tip, making the welding operation faster and more convenient
- This soldering iron tip is suitable for SATA 03262 ceramic internal heating soldering iron

No.			
03275	10	480	6.1

▲ Excluded from lifetime warranty terms.

03276 Lead-Free Inner-Heated Soldering Tip, Conic T-B



- Long-life internal heating soldering iron tip made of high-grade and high-quality copper through special processing
- Specially treated surface: alloy layer with high resistance to oxidation and wear. Surface underwent anti-corrosion treatment, ensuring excellent corrosion resistance
- Service life up to 40000 soldering spots under normal-use conditions
- Tinned soldering iron tip, making the welding operation faster and more convenient
- This soldering iron tip is suitable for SATA 03263 rapid temperature rise dual power soldering iron

No.			
03276	10	1000	6

▲ Excluded from lifetime warranty terms.

Outer-Heated Soldering Iron



- High-impedance natural mica heating element ensuring high durability
- Complete with different soldering tips suitable for micro and large areas of electronic soldering
- Easily replaceable heating element

No.	Power			
03210	30W	18	36	7.3
03220	40W	18	36	7.6
03230	50W	-	18	4
03240	60W	-	18	4

▲ Excluded from lifetime warranty terms.

Long-life heating core

Heating core made of quality double-layer nickel-chromium wire wound around natural mica from India Surface load area of the heating core with double-layer nickel-chromium wire winding process doubled compared with the previous single-layer nickel-chromium wire winding process, with load borne by the unit area reduced by half Heating core life of SATA external heating iron extended



Simple replacement device for heating core

End of the heating core outlet and the end of the power outlet connected via micro-connector crimping process Connection between the heating core and the power supply realized through connector Convenient heating core replacement

03255 Portable Soldering Iron Stand

Each SATA externally-heated electric soldering iron equipped with stand with a natural heat dissipation structure made of bakelite for safety and convenience

▲ Excluded from lifetime warranty terms.



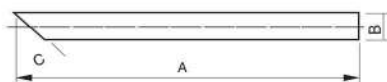
Various quality soldering tips available

Advanced surface plating and plating treatment technology adopted for SATA external heating soldering tip
Service life of the welding nozzle prolonged
Excellent thermal conductivity, abrasion resistance and corrosion resistance of the welding nozzle guaranteed

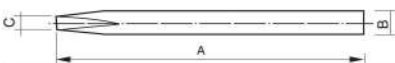
Outer-Heated Soldering Tip, Pointed



No.	Name	Length (A)	Diameter (B)	Tip Size (C)
03241	Outer-Heated Soldering Tip, Ultra Pointed 30W	70mm	4mm	R 0.2
03242	Outer-Heated Soldering Tip, Ultra Pointed 40W	70mm	5mm	R 0.2
03211	Outer-Heated Soldering Tip, Pointed 30W	75mm	4mm	R 0.5
03212	Outer-Heated Soldering Tip, Pointed 40W	75mm	5mm	R 0.5
03213	Outer-Heated Soldering Tip, Pointed 50W	80mm	6mm	R 0.3



No.	Name	Length (A)	Diameter (B)	Tip Size (C)
03231	Outer-Heated Soldering Tip, Skew 30W	70mm	4mm	45°
03232	Outer-Heated Soldering Tip, Skew 40W	75mm	5mm	45°
03233	Outer-Heated Soldering Tip, Skew 50W	80mm	6mm	45°



No.	Name	Length (A)	Diameter (B)	Tip Size (C)
03221	Outer-Heated Soldering Tip, Slotted 30W	70mm	4mm	3
03222	Outer-Heated Soldering Tip, Slotted 40W	75mm	5mm	3
03223	Outer-Heated Soldering Tip, Slotted 50W	80mm	6mm	3.5

- SATA long-life externally-heated soldering iron tip made of quality copper by precision processing
- Specially treated alloy layer for excellent high temperature oxidation resistance and wear resistance with anti-corrosion surface for excellent corrosion resistance
- Tinned tip of the soldering iron to facilitate welding
- Suitable for SATA external long-life electric soldering iron

No.	Tip Shape	Power	📦	📦	📦
03211	Pointed	30W	10	-	-
03212	Pointed	40W	10	1000	10
03213	Pointed	50W	10	800	15.6
03221	Slotted	30W	10	1000	8.1
03222	Slotted	40W	10	-	-
03223	Slotted	50W	10	800	14.7
03231	Skew	30W	10	250	4.6
03232	Skew	40W	10	1000	12
03233	Skew	50W	10	300	12.3
03241	Ultra Pointed	30W	10	1000	12
03242	Ultra Pointed	40W	10	1000	12

▲ Excluded from lifetime warranty terms.

Outer-Heated Natural Mica Heating Element



- Externally-heated mica heating core suitable for SATA external long-life electric soldering iron
- Heating core with long life
- Heating core made of quality double-layer nickel-chromium wire wound around natural mica from India
- Heating core life of SATA external heating iron extended
- Simple replacement device for heating core
- End of the heating core outlet and the end of the power outlet connected via micro-connector crimping process
- Connection between the heating core and the power supply realized through connector

No.	Power	📦	📦	📦
03251	30W	10	480	5.7
03252	40W	10	480	6.1
03253	50W	10	480	7
03254	60W	10	480	7.4

▲ Excluded from lifetime warranty terms.

Coiled Soldering Wire



No.	Model	📦	📦	📦
90311	0.5mm/250g	-	10	2.6
90312	0.8mm/250g	-	10	2.6
90313	1.0mm/250g	-	10	2.6
90314	1.0mm/500g	-	10	5.6

▲ Excluded from lifetime warranty terms.



Led-free Coiled Soldering Wire



- Led under 0.02% for environment protection and friendly smell
- Even flux distribution for high welding efficiency
- RoHS certified

No.	Spec.			
90321	0.5MM/250g	1	10	2.6
90322	0.8MM/250g	1	10	2.6
90323	1.0MM/250g	1	10	2.6
90324	1.0MM/250g	1	10	5.2

▲ Excluded from lifetime warranty terms.

90315 Pocket Pack Soldering Wire 1.0mm/17g



- Meeting national standards and the requirements of federal regulations of the United States
- Made of highly-purified lead tin alloy
- Made from 63% tin and 2% flux and suitable for printed circuit boards with strict temperature limits and other places with limited narrow melting temperature range of lead
- Few solder residues produced, and solder joints, being clean, plump and bright with low corrosivity
- Small smoke and irritation produced, ensuring safe operation of operators for fast melting, fast welding speed, and improved work efficiency

No.			
90315	-	24	0.7

▲ Excluded from lifetime warranty terms.

03511 Plastic Desoldering Pump



- Strong suction, able to realize fast and effective removal of soldering tin, and rapid separation of connectors
- High quality PTFE suction nozzle, featuring high resistance to high temperature and solvent

No.			
03511	12	48	4.1

▲ Excluded from lifetime warranty terms.

03512 Aluminum Desoldering Pump



- Strong suction, able to realize fast and effective removal of soldering tin, and rapid separation of connectors
- High quality PTFE suction nozzle, featuring high resistance to high temperature and solvent

No.			
03512	12	48	4.3

▲ Excluded from lifetime warranty terms.

03513 5Pc. Desoldering Pump Tips



- High quality PTFE suction nozzle, featuring high resistance to high temperature and solvent

No.			
03513	25	-	-

▲ Excluded from lifetime warranty terms.

03080 Multi-functional Pen Multimeter



- Automatic range and full-scale overload protection
- Black crystal high-brightness large screen with maximum reading 5999
- Used to measure AC/DC, frequency, capacitance, resistance, diode and continuity
- Room temperature monitoring

No.			
03080	1	18	-

▲ Warranty of 2 years (excluding fuse, battery and probe).

03021 Digital Clamp Meter



- 3-1/2 digits LCD, with a max. reading of 9999
- Designed to measure DC/AC voltage, AC current, resistance, diode and continuity in addition hase sequence test function is also provided
- Data hold, backlight full-range overload protection

No.			
03021	1	12	6.5

▲ Warranty of 2 years (excluding battery and probe).

03022 AC/DC Clamp Meter



- 3-3/4 digits LCD, with a max. reading of frequency measurement : 9999
- Used to measure DC/AC voltage, DC/AC current, resistance, capacitance, frequency, diode and continuity
- Data-hold, backlight, full-range overload protection, etc.

No.			
03022	1	12	6.5

▲ Warranty of 2 years (excluding battery and probe).

No.	03021			03022		
Property						
Maximum Reading	1999			3999		
Measurement Function	Range	Resolution	Accuracy	Range	Resolution	Accuracy
DC Voltage	200mV	0.1mV	+/-[0.5%+5]	400mV	0.1mV	+/-[0.8%+5]
	2V	1mV				
	20V	10mV				
	200V	100mV				
	600V	1V				
AC Voltage	2V	1mV	+/-[1.2%+5]	4V	1mV	+/-[0.8%+5]
	20V	10mV				
	200V	100mV				
	600V	1V				
DC Current	-	-	-	40A	0.01A	+/-[3.0%+10]
	-	-	-	400A	0.1A	
	-	-	-	600A	1A	
AC Current	2A	0.001A	+/-[6%+20]≤0.4A +/-[5%+10] +/-[4%+10]≤4A +/-[3%+8]	40A	0.01A	+/-[2.5%+6]
	20A	0.01A				
	200A	0.1A				
	600A	1A				
Resistance	200Ω	0.1Ω	+/-[1.2%+5]	400Ω	0.1Ω	+/-[1.0%+5]
	2kΩ	1Ω				
	20kΩ	10Ω				
	200kΩ	100Ω				
	2MΩ	1kΩ				
Capacitance (Measurements using relative values)	20MΩ	10kΩ	+/-[1.5%+5]	4MΩ	1kΩ	+/-[3.0%+10]
	-	-	-	40MΩ	10kΩ	
	-	-	-	40nF	10pF	
	-	-	-	400nF	100pF	
	-	-	-	4μF	1nF	
	-	-	-	40μF	10nF	
Frequency	-	-	-	100μF	100nF	+/- (5.0%+5)
	-	-	-	9.99Hz	0.001Hz	
	-	-	-	99.99Hz	0.01Hz	
	-	-	-	999.9Hz	0.1Hz	
	-	-	-	9.99kHz	1Hz	
	-	-	-	99.99kHz	10Hz	
	-	-	-	200kHz	100Hz	
Continuity and Diode Testing		0.1Ω	When resistance is < about 30 Ω, the buzzer buzzes		The buzzer buzzes when R < 20Ω	
		1mV	The screen shows an approximation of forward voltage drop of diode; open circuit voltage: approx. 148V		The screen shows an approximation of forward voltage drop of diode; open circuit voltage: approx. 3V	
Phase Sequence Test	Measuring Range	Phase Sequence Indication	Phase voltage accuracy	-	-	-
	380V +/-10% 50Hz	Negative phase sequence, reverse phase sequence, missing phase sequence	+/-2%	-	-	-
Common						
Battery	Two 1.5 V AAA batteries					
Size (mm)	185 X 74 X 40			202.5 X 73.5 X 40		
Weight (g)	195 (battery included)			220 (battery included)		



03025 Wide Jaw Clamp Meter

03026 Wide Jaw AC/DC Clamp Meter



- 3-3/4 digits LCD, with a max. reading of frequency measurement : 9999
- Used to measure DC/AC voltage, AC current, resistance, frequency, duty cycle, capacitance, diode and continuity
- Data-hold, backlight, flashlight function, full-range overload protection and etc.

- 3-5/6 digits LCD, with a max. reading of frequency measurement : 9999
- Used to measure DC/AC voltage, DC/AC current, resistance, frequency, duty cycle, capacitance, diode and continuity
- NCV, data-hold, backlight, flashlight, full-range overload protection and etc.

No.			
03025	1	12	6.3

No.			
03026	1	12	6.5

▲ Warranty of 2 years (excluding battery and probe).

▲ Warranty of 2 years (excluding battery and probe).

No.	03025				03026			
Property								
Maximum Reading	3999				5999			
Measurement Function	Range	Resolution	Accuracy		Range	Resolution	Accuracy	
DC Voltage	4V	1mV	+/- (0.8%+5)		6V	1mV	+/- (0.8%+5)	
	40V	10mV						
	400V	0.1V						
	1000V	1V						
AC Voltage	4V	1mV	+/- (1.0%+5)		6V	1mV	+/- (1.0%+5)	
	40V	10mV						
	400V	100mV						
	750V	1V						
AC Current	40A	0.01A	+/- (3.0%+8)		60A	0.01A	+/- (2.5%+6)	
	400A	0.1A						
	1000A	1A						
	-	-						
DC Current	-	-	-		60A	0.01A	+/- (3.0%+10)	
	-	-						
	-	-						
	-	-						
Resistance	400Ω	0.1Ω	+/- (1.0%+5)		600Ω	0.1Ω	+/- (1.0%+5)	
	4kΩ	1Ω						
	40kΩ	10Ω						
	400kΩ	100Ω						
	4MΩ	1kΩ						
	40MΩ	10kΩ						
Capacitance	40nF	10pF	+/- (5.0%+5)		40nF	10pF	+/- (5.0%+5)	
	400nF	100pF						
	4μF	1nF						
	40μF	10nF						
	400μF	100nF						
	4000μF	1μF						
Frequency	9.999Hz	0.001Hz	+/- (1.0%+5)		9.999Hz	0.001Hz	+/- (1.0%+5)	
	99.99Hz	0.01Hz						
	999.9Hz	0.1Hz						
	9.999kHz	1Hz						
	99.99kHz	10Hz						
	999.9kHz	100Hz						
	9.999MHz	1kHz						
	-	-						
Frequency (Use binding clip)	-	-	-		40Hz-99.9Hz	0.01Hz	+/- (1.0%+5)	
Duty ratio					5%-95%			
Short-circuit beep					Yes			
Diode test					Yes			
Non-contact circuit measurement	No				Yes			
Data Retention					Yes			
Backlight					Yes			
Auto shutdown					Yes			
Flashlight function					Yes			
Common								
Battery	3.15 V AAA batteries							
Size (mm)	243 X 87 X 44							
Weight (G)	364 (battery included)				380 (battery included)			

03005 Mini Digital Multimeter



- High-performance, low power consumption, auto-range
- Used to measure DC/AC voltage, DC/AC current, resistance, capacitance, continuity test, diode, backlight
- Full-range overload protection

No.			
03005	1	16	6.8

▲ Warranty of 2 years (excluding battery and probe).

03007 Mini Digital Multimeter with Frequency Test



- AC/DC voltage, AC/DC current, resistance, capacitance, frequency, duty cycle, continuity test, diode, backlight
- Auto-range
- Full-range overload protection

No.			
03007	1	16	6.8

▲ Warranty of 2 years (excluding battery and probe).

No.	03005		03007			
Property						
Maximum Reading	3999		3999			
Automatic/manual range	Automatic		Automatic			
Measurement Function	Range	Basic Accuracy	Range	Basic Accuracy		
DC Voltage	4V	+/- (0.5%+5)	4V	+/- (0.5%+5)		
	40V					
	400V					
	600V					
AC Voltage	400mV	+/- (1.0%+5)	400mV	+/- (1.0%+5)		
	4V	+/- (0.8%+5)	4V	+/- (0.8%+5)		
	40V	+/- (1.0%+5)	40V	+/- (1.0%+5)		
	400V		400V			
DC Current	600V	+/- (1.0%+5)	600V	+/- (1.0%+5)		
	4A		+/- (1.0%+7)		4A	+/- (1.0%+7)
	10A		+/- (1.5%+7)		10A	+/- (1.5%+7)
AC Current	4A	+/- (1.5%+10)	4A	+/- (1.5%+10)		
	10A	+/- (2.5%+10)	10A	+/- (2.5%+10)		
Resistance	400Ω	+/- (1.0%+5)	400Ω	+/- (1.0%+5)		
	4KΩ	+/- (0.5%+5)	4KΩ	+/- (0.5%+5)		
	40KΩ					
	400KΩ					
	4MΩ	+/- (1.5%+5)	4MΩ	+/- (1.5%+5)		
	40MΩ	+/- (3.0%+10)	40MΩ	+/- (3.0%+10)		
Capacitance	51.2nF	+/- (3.5%+20)	51.2nF	+/- (3.5%+20)		
	512nF	+/- (2.5%+5)	512nF	+/- (2.5%+5)		
	512μF	+/- (5.0%+5)	512μF	+/- (5.0%+5)		
	51.2μF					
	100μF					
Frequency	-	-	5Hz-500KHz	+/- (1.0%+5)		
Duty ratio	-	-	5MHz	For reference only		
Short-circuit beep	-	-	5%-95%	+/- (2.0%+3)		
Diode test	Yes	Yes	Yes	Yes		
Other properties						
Data Retention	Yes		Yes			
Backlight	Yes		Yes			
Auto shutdown	Yes		Yes			
CAT level	CAT III 600V		CAT III 600V			
Battery	Two 1.5V AAA batteries		Two 1.5V AAA batteries			
Size (mm)	150 X 78 X 38		150 X 78 X 38			
Weight (G)	245 (Battery and jacket included)		245 (Battery and jacket included)			



03015 Digital Multimeter



- High performance, low power consumption, auto range function
- AC / DC voltage, AC / DC current, resistance, capacitance, frequency, continuity, diode, backlight function

No.			
03015	1	12	10.8

▲ Warranty of 2 years (excluding battery and probe).

03017 Digital Multimeter with Temperature Test



- High performance, low power consumption, auto range function
- AC / DC voltage, AC / DC current, resistance, capacitance, frequency, continuity, diode, backlight function, temperature measurement

No.			
03017	1	12	10.8

▲ Warranty of 2 years (excluding battery and probe).

No.	03015		03017	
Property	3999		5999	
Maximum Reading	3999		5999	
Automatic/manual range	Automatic		Automatic	
Measurement Function	Range	Basic Accuracy	Range	Basic Accuracy
DC Voltage	400mV	+/- (0.8% + 5)	600mV	+/- (0.8% + 5)
	4V / 40V / 400V	+/- (0.5% + 5)	6V / 60V / 600V	+/- (0.5% + 5)
	1000V	+/- (1.0% + 5)	1000V	+/- (1.0% + 5)
AC Voltage	4V	+/- (0.8% + 5)	6V	+/- (0.8% + 5)
	40V / 400V	+/- (1.0% + 5)	60V / 600V	+/- (1.0% + 5)
DC Current	400µA / 4000µA / 40mA / 400mA	+/- (1.0% + 7)	600µA / 6000µA / 60mA / 600mA	+/- (1.0% + 7)
	4A / 20A	+/- (1.5% + 7)	6A / 20A	+/- (1.5% + 7)
	400µA / 4000µA / 40mA / 400mA	+/- (1.8% + 10)	600µA / 6000µA / 60mA / 600mA	+/- (1.8% + 10)
AC Current	4A / 20A	+/- (2.5% + 10)	6A / 20A	+/- (2.5% + 10)
	400Ω	+/- (1.0% + 5)	600Ω	+/- (1.0% + 5)
Resistance	4kΩ / 40kΩ / 400kΩ	+/- (0.5% + 5)	6kΩ / 60kΩ / 600kΩ	+/- (0.5% + 5)
	4MΩ	+/- (1.5% + 5)	6MΩ	+/- (1.5% + 5)
	40MΩ	+/- (3.0% + 10)	60MΩ	+/- (3.0% + 10)
Frequency	10Hz - 1MHz	+/- (1.0% + 5)	10Hz - 1MHz	+/- (1.0% + 5)
	10MHz	For reference only	10MHz	For reference only
Capacitance	40nF	+/- (3.5% + 20)	40nF	+/- (3.5% + 20)
	400nF	+/- (2.5% + 5)	400nF	+/- (2.5% + 5)
	4µF	+/- (3.5% + 5)	4µF	+/- (3.5% + 5)
	40µF	+/- (4.0% + 5)	40µF	+/- (4.0% + 5)
	400µF	+/- (5.0% + 5)	400µF	+/- (5.0% + 5)
Duty ratio	5% - 95%	+/- (2.0% + 3)	5% - 95%	+/- (2.0% + 3)
	-	-	-20°C ~ 0°C	+/- (6.0% + 5°C)
	-	-	0°C ~ 400°C	+/- (1.5% + 4°C)
Temperature	-	-	400°C ~ 1000°C	+/- (1.8% + 5°C)
	-	-	-	-
Short-circuit beep	Yes		Yes	
Diode test	Yes		Yes	
Relative mode test	Yes		Yes	
Other properties				
Data Retention	Yes		Yes	
Backlight	Yes		Yes	
Auto shutdown	Yes		Yes	
EN61010-1 CAT II/CAT III	CAT III 1000V		CAT III 1000V	
Battery	9V 6F22Battery		9V 6F22Battery	
Size [mm]	184 X 89 X 62		184 X 89 X 62	
Weight [G]	440 (Battery and jacket included)		440 (Battery and jacket included)	

03075 EBTN Intelligent True RMS Multimeter



- 4-5/6-digit true RMS digital multimeter
- Basic measurement features: DC/AC voltage, AC/DC current, resistance, capacitance, frequency, continuity, diode, temperature
- Special measurement: ACV LoZ, AC voltage AC+DC, lowpass filtering, current loop, conductivity, ACV peak
- USB data transmission, lithium battery charging protection, square wave output, and automatic alarm for probe insertion error
- Safe, reliable, all-position 1000V protection, TPR bi-color plastic-coated enclosure, resistant to dropping from a 1 m height

No.			
03075	1	4	5

▲ Warranty of 2 years (excluding fuse, battery and probe).

03079 OLED Intelligent True RMS Multimeter



- 4-5/6-digit true RMS digital multimeter
- Basic measurement features: DC/AC voltage, AC/DC current, resistance, capacitance, frequency, continuity, diode, temperature
- Special measurement: ACV LoZ, AC voltage AC+DC, lowpass filtering, current loop, conductivity, ACV peak
- USB data transmission, lithium battery charging protection, square wave output, and automatic alarm for probe insertion error
- Safe, reliable, all-position 1000V protection, TPR bi-color plastic-coated enclosure, resistant to dropping from a 1 m height

No.			
03079	1	4	5

▲ Warranty of 2 years (excluding fuse, battery and probe).

Function	03075 EBTN Intelligent True RMS Multimeter	03079 LED Intelligent True RMS Multimeter
Safety level	CAT IV 600V/CAT III 1000V	CAT IV 600V/CAT III 1000V
Maximum Reading	59999	59999
Automatic/manual range	Automatic/manual	Automatic/manual
DC Voltage	0.01 mV-1000 V	0.01 mV-1000 V
AC Voltage	0.01 mV-1000 V	0.01 mV-1000 V
LoZ ACV	Yes	Yes
DC Current	0.01 μ A -10 A	0.01 μ A -10 A
AC Current	0.01 μ A -10 A	0.01 μ A -10 A
Resistance	0.01 Ω -60 M Ω	0.01 Ω -60 M Ω
Capacitance	1 pF-60 mF	1 pF-60 mF
Frequency Measuring Range	60 MHZ	60 MHZ
Duty ratio	1%-99%	1%-99%
Temperature Measurement	-40°C -1000°C / - 40 ~ 1832F	-40°C -1000°C / - 40 ~ 1832F
Lowpass filtering	Yes	Yes
Current loop measurement 5%(4-20mA)	Yes	Yes
Conductivity measurement	60.00nS	60.00nS
Square Wave Output	No	Yes
Current Transducer	No	1mV/A maximum range 60DA (optional)
ACV peak measurement	Yes	Yes
USB transmission	Yes	Yes
Display Type	EBTN	OLED
Bluetooth	[Optional]	[Optional]
Charging Function	Yes	Yes
Input hole mis-plugging alarm	Yes	Yes
Common		
Power	One 74V/1800mAh lithium ion battery	
Overall dimensions	206mm*95mm*53mm	
Weight	518g (battery included)	



AE3501 Hand-held Insulation Resistance Tester



Size (mm) 162 × 662 × 51
Weight (g) 472

This meter is a hand-held insulation resistance tester integrated the digital multimeter and digital insulation tester. It can be used for testing the DC voltage, AC voltage resistance, and on-off. This meter has such functions as polarity indicator, over range indicator, data holding, manual range and automatic range mode selection

- It integrates 4 test voltage levels, namely, 100V/250V/500V/1000V
- Humanized design with remote control line for operation by just one person
- 4000-word reading display with analog bar display
- Automatic voltage release to improve the safety of user operation

No.			
AE3501	-	30	24

▲ Warranty of 2 years (excluding fuse, battery and probe).

Performance	
DC voltage	400mV/4V/40V/400V/1000V
AC voltage	400mV/4V/40V/400V/1000V
Insulation resistance measurement	0.1MΩ-2GΩ
100V	0.1MΩ-20.00MΩ (resolution: 0.01MΩ)
	20.0MΩ-100.00MΩ (resolution: 0.1MΩ)
250V	0.1MΩ-20.00MΩ (resolution: 0.01MΩ)
	20.0MΩ-200.00MΩ (resolution: 0.1MΩ)
500V	0.1MΩ-20.00MΩ (resolution: 0.01MΩ)
	20.0MΩ-200.00MΩ (resolution: 0.1MΩ)
	200MΩ-500MΩ (resolution: 0.1MΩ)
1000V	0.1MΩ-20.00MΩ (resolution: 0.01MΩ)
	20.0MΩ-200.00MΩ (resolution: 0.1MΩ)
	200MΩ-2000MΩ (resolution: 1MΩ)
Resistance measurement	400Ω-40MΩ
Diode	Yes
On-off test	Yes
Manual/automatic range	Switchable (no manual range for insulation resistance)
Overrange indication	Yes
Data retention	Yes
Auto power-off	Yes
Backlight	Yes
Power supply	6*1.5VAAA
Safety level	CATIII 1000V CATIV600V

03055 Slim Digital Multimeter



- LCD with Max. reading of 3999, with high definition white backlight
- Used to measure DC/AC voltage, DC/AC current, resistance, capacitance, continuity test, diode
- Ultra-thin, easy to hold
- Auto-range
- Full-range overload protection

No.			
03055	-	12	6.5

▲ Warranty of 2 years (excluding fuse, battery and probe).

Function	03055 Slim Digital Multimeter
Maximum Reading	3999
Automatic/manual range	Automatic
DC Voltage	400mV/4V/40V/400V/600V
AC Voltage	400mV/4V/40V/400V/600V
DC Current	400μA/4000μA/40mA/400mA/4A/10A
AC Current	400μA/4000μA/40mA/400mA/4A/10A
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ
Capacitance	10nF/100nF/1μF/10μF/100μF
Frequency	No
Duty ratio	No
Temperature	No
Short-circuit beep	Yes
Diode test	Yes
Data Retention	Yes
Backlight	White
Auto shutdown	Yes
Common	
Power	Two 1.5 V AAA batteries
Size	175 × 78 × 18.5mm
Weight	190G (battery included)

03057 Slim Digital Multimeter with Temperature Tester



- Auto-range
- LCD with Max. reading of 3999, with high definition white backlight
- Used to measure DC/AC voltage, DC/AC current, resistance, capacitance, continuity test, diode, frequency, duty cycle, temperature
- Ultra-thin, easy to hold

No.			
03057	-	12	6.5

▲ Warranty of 2 years (excluding fuse, battery and probe).

Function	03057 Slim Multimeter with Temperature Test
Maximum Reading	3999
Automatic/manual range	Automatic
DC Voltage	400mV/4V/40V/400V/600V
AC Voltage	400mV/4V/40V/400V/600V
DC Current	400μA/4000μA/40mA/400mA/4A/10A
AC Current	400μA/4000μA/40mA/400mA/4A/10A
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ
Capacitance	10nF/100nF/1μF/10μF/100μF
Frequency	10Hz/100Hz/1KHz/10KHz/100KHz
Duty ratio	5%-95%
Temperature	-20°C~1000°C (4°F~1832°F)
Short-circuit beep	Yes
Diode test	Yes
Data Retention	Yes
Backlight	White
Auto shutdown	Yes
Common	
Power	Two 1.5 V AAA batteries
Size	175 × 78 × 18.5mm
Weight	190G (battery included)

03031A Infrared Thermometer



- Non-contact temperature thermometer
- Three-color backlight display
- The temperature change point can be quickly detected according to the settings.
- Distance coefficient ratio is 12:1

No.			
03031A	1	12	5

▲ Warranty of 2 years (excluding battery).

Performance	
Measuring Range	-38°C - +520°C (-36.4 °F - +968 °F)
Spectral Response	7.5 - 13.5μm
Measurement accuracy	+/-2° C (4° F) or 2% of the reading, taking the one with bigger error range
Response time	1s, 95%
Distance coefficient ratio D:S	12:1
Emissivity	0.95
Reading Resolution	0.1°C / 0.1 °F
Backlight automatic shutdown time	15s
Automatic shutdown time	60s
Operating temperature	0°C - 40°C
Operating humidity	<75%
Battery	Two 1.5 V AAA batteries
Size (mm)	160 X 118 X 40
Weight (G)	155g (battery included)



03032 Industrial Infrared Thermometer 800



- Capable of measuring temperature of up to 800°C
- Simple operation
- Adjustable transmission power

No.			
03032	-	24	6.3

▲ Warranty of 2 years (excluding battery).

Temperature Range	-20°C~800°C
Accuracy	+/-2°C or +/-2% reading (+/-3.6°F or +/-2% reading) Of the two reading choose the maximum value.
Resolution Ratio	0.1°C
Emissivity	Adjustable between 0.10-1.00 (0.95 by default), adjusting 0.01 each time
Automatic shutdown time	Automatic shutdown after no operation for about 1 minute
Operating temperature	0-40°C, relative humidity ≤85%
Battery model/quantity	Two 1.5 V AAA batteries
Weight	145+/- 10g (battery not included)

03036 High-Precision Infrared Thermometer 33.5-42



- High-precision measurement
- 6 set of memories

No.			
03036	-	24	6.3

▲ Warranty of 2 years (excluding battery).

Temperature Range	33.5°C~42°C
Measurement accuracy	+/-0.3°C
Resolution	0.1°C
Automatic shutdown time	Automatic shutdown after no operation for about 30s
Record storage	Automatically storing 6 sets of recent measurements
Temperature measurement	Green backlight lit when <37°C, while red backlight lit when measuring temperature ≥37°C
Operating temperature	16°C-35°C, relative humidity ≤85%
Battery model/quantity	Two 1.5 V AA batteries
Weight	135+/- 10g (battery not included)

AE3508 Handhold Oscilloscope



Size (mm)
121 × 212 × 50



Weight (g)
730



• This oscilloscope is a multi-functional handheld meter which integrates the functions of dual channel, 25MHz digital storage oscilloscope and 6000-count true RMS digital multimeter for field test, maintenance and repair

- Wide test range from 10mV/div to 500V/div
- Automatic tracking and measurement by touching without manual shifting
- Concave BNC socket to prevent the terminal from being damaged when falling
- Side strap for easy holding.

No.			
AE3508	-	12	16

▲ Warranty of 2 years (excluding fuse, battery and probe).

Performance	
Display	3.5-inch TFTLCD, 240 x 320 pixels
Broadband	DC-25MHz[-3dB]
Number of channels	2
Rising time	14ns
Sampling frequency	100MS/S
Horizontal sensitivity	10ns/div-5s/div
Horizontal accuracy	0.01%+1 pixel
Vertical sensitivity	10mV/div-500V/div
Vertical precision	± 3%+1 pixel
Vertical resolution	8bit
Saving depth	1Kpts
Saving mode	Setting, waveform
Coupling	AC, DC
Input impedance	1MΩ, ≤20pF
Trigger source	CHA\CHAB\ external trigger
Trigger edge	Trigger on rising or falling edge
Trigger coupling	AC, DC
Multimeter performance	
Display	6000 count
Maximum allowable input voltage	CATIII 600V
DC voltage	600mV/6V/60V/600V/1000V
AC voltage	600mV/6V/60V/600V/1000V
Resistance	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ
Capacitance	6nF/60nF/600nF/6nF/60nF/600nF/6mF
Diode test	Yes
On-off test	Yes

Heat Gun



- Double insulation protection, ensuring higher safety
- High durability with lifecycle over 700 hours
- Thermal-shutdown design ensures good protection of heating components
- Hardened housing made of nylon and fiberglass provides protection from impact
- Keep good protection of the fragile heating core from dropping

Digital Heat Gun



- Large screen display parameters
- Five sets of parameters can be set in tool
- Double insulation protection, ensuring higher safety
- High durability with lifecycle over 700 hours
- Thermal-shutdown design ensures good protection of heating components
- Hardened housing made of nylon and fiberglass provides protection from impact
- Keep good protection of the fragile heating core from dropping

No.	Voltage (V)	Output Power (W)	Temperature Range	Air Flow (L/ MIN)			
97921A	220	1600	350-500° C	350/500	1	8	8
97922A	220	2000	80-600° C	250-500	1	8	8.24
97923A	220	2300	80-650° C	200-550	1	8	8.24

▲ Warranty of 3-month excluding the heating core.