Developer With 150Pcs Project Kit multicomp PRO

RoHS Compliant

Soldering Fume Extractor, Esd, 110V, 22W

Description

This product is a Desktop-type Solder Smoke Absorber can be operated vertically or horizontally, can remove soldering smoke and fumes quickly, safely and quickly. Activated carbon filter is made of highly activated carbon, strong absorb, and has LED lighting function.

Features

- Desktop-type with vertical and horizontal dual-use.
- Remove soldering smoke and fumes quickly and safely.
- Highly activated carbon material with strong absorb function.
- LED lighting function.

Specifications

Power Consumption	: 220V AC/50Hz/16W
	110V AC/60Hz/22W
Max. Suction Capacity	: 1.03m³/min / 3ft²/min
Dimensions	: 103.3mm × 161.8mm × 217.2mm
Filter size	: 142mm × 142mm × 10mm

Test Data

Test Item	Test Data
Air volume (vertical) m³/min	1.03
Air Volume (horizontal) m³/min	0.4
Air flow (vertical) m³/min	1
Air flow (horizontal) m³/min	2.6
Maximum suction capacity m³/min	1.03
Maximum suction capacity ft²/min	3

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Handheld With Bluetooth

Features

- 3 5/6 bit resolution
- Data Logger, Multimeter and Thermometer function
- True RMS test supported
- BLE 4.0 wireless transmission, more stable,less power consumption
- Build-in offline record function
- Chart and Diagram mode helps to analyse the data tendency
- Support NCV non-contact voltage sense
- Widely supported on Android, iOS and Windows

Performance Specifications

Parameters		Measurement Range	Resolution	Accuracy
DC Voltage		60.00mV / 600.0mV (EU)	0.01mV	±(0.5%+2 dig)
		600.0mV / 6.000V / 60.00V / 600.0V	0.1mV	
		1000V	1V	±(0.8%+2 dig)
AC Voltage		6.000V / 60.00V / 600.0V	1mV	±(0.8%+3 dig)
		750V	1V	±(1%+3 dig)
DC Current	µA	60.00µA / 600.0µA	0.01µA	±(0.8%+2 dig)
	mA	60.00mA / 600.0mA	0.01mA	
	A	20.00A	0.01A	±(1.2%+3 dig)
AC Current	µA	60.00uA / 600.0µA	0.1µA	±(1%+3 dig)
	mA	60.00mA / 600.0mA	0.01mA	
	A	20.00A	0.01A	±(1.5%+3 dig)
Resistance		600.0Ω / 6.000kΩ / 60.00kΩ / 600.0kΩ / 6.000MΩ	0.1Ω	±(0.8%+2 dig)
		60.00MΩ	0.01MΩ	±(2%+3 dig)
Capacitance		60.00nF / 600.0nF / 6.000µF / 60.00µF	0.01nF	±(2.5%+3 dig)
		600.0µF / 6.000mF / 60.00mF	0.1µF	±(3%+5 dig)
Frequency		9.999Hz / 99,99Hz/999.9Hz / 9.999kHz / 99.99kHz / 99.9kHz / 9.999MHz	0.001Hz	±(0.8%+2 dig)
Duty Ratio		0.1% to 99.9% (typical value: Vrms=1V, f=1kHz)	0.1%	±(1.2%+3 dig)
		0.1% to 99.9% (≥1kHz)		±(2.5%+3 dig)
Temperature (°C/°F)		- 50°C to +400°C	1°C	±(2.5%+3 dig)
		-58°F to +752°F	1°F	±(4.5%+5 dig)
Display		5999		
Frequency Response		40Hz to 1000Hz		
Shift Rate		3 times/s		

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Characteristics

Bluetooth Module	√
True RMS	√
Diode Test	√
Auto Power-off	√
On-off Warning	√
Low-battery Indicator	√
Data Hold	√
Relative Measurement	√
Flashlight	√
Auto Ranging	√
LCD Backlight	√
Automatic-manual Range Selection	√
Input Protection	√
Input Impedance	≥10MΩ
Safety Compliance	600V CATIV, 1000V CATIII
NCV	√
Dimension (W×H×D)	196mm × 88.5mm × 56mm
Weight (without package)	0.3kg
Standard Accessories Included	Multimeter Lead, K-type Thermocouple, Manual, Bolt Driver, Alligator Clip
Optional Accessories	9V Battery
Warranty	12 months

Oscilloscope, 25Mhz, 2Ch

Features

- Up to 100MHz bandwidth, and max. 1GS/s real-time sample rate
- 2 Channels
- Max 10M record length
- Friendly UI : FFT, or X-Y, and waveform 2 views displayed on the same screen
- Multi-trigger option: edge, video, slope, pulse, and alternate
- USB isolation - less signal interference, more PC protection
- USB bus powering, and LAN remote control (optional)
- Ultra-thin body design, easy portability
- SCPI supported
- LabVIEW supported (only in MP720019 US)

Oscilloscope Specifications

Parameters	MP720016 US
Bandwidth	25MHz
Channel	2 Analogue, 1 Ext Trigger

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Parameters		MP720016 US
Sample Rate		100MSa/s
Horizontal Scale (s/div)		5ns/div ~ 100s/div, step by 1~2~5
Rise Time		≤14 ns
Record Length		5K
Input Coupling		DC, AC, GND
Input Impedance		1MΩ±2%, in parallel with10pF ±5pF
Channels Isolation		50Hz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage		40V (PK - PK) (DC+AC, PK - PK)
DC Gain Accuracy		±3%
DC Accuracy		Average≥16: ±(3% reading + 0.05div) for ∆T
Probe Attenuation Factor		1X, 10X, 100X, 1000X
LF Respond (AC, -3dB)		≥5Hz (at input, AC coupling, -3dB)
Sampling Rate / Relay Time Accuracy		150ps
Interpolation		sin(x) / x
Interval (∆T) Accuracy (full bandwidth)		Single: ± (1 interval time + 100ppm × reading + 0.6ns), Average >16: ±(1 interval time + 100ppm × reading + 0.4ns)
Vertical Resolution (A/D)		8 bits (2 channels simultaneously)
Vertical Sensitivity		5mV/div ~ 5V/div
Trigger Type		Edge, Pulse, Video, Slope, and Alternate
Trigger Mode		Auto, Normal, and Single
Trigger Level		±5 divisions from screen center
Acquisition Mode		Sample, Peak Detect, and Average
Line / Field Frequency (video)		NTSC, PAL, and SECAM standard
Cursor Measurement		∆V, and ∆T between cursors
Automatic Measurement		Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Freq, Period, Rise Time, Fall Time, Delay A→B ⌐, Delay A→B ⌐, +Width, -Width, +Duty, -Duty
Waveform Math		+, -, ×, ÷, invert, FFT
Lissajous Figure	Bandwidth	Full bandwidth
	Phase Difference	±3 degrees
Communication Interface		USB 2.0
Multi-function Interface	Signal Type	Synchronized input / output, Pass / Fail , external trigger input
	Level Standard	TTL
Power Supply		5.0V/1A
Power Consumption		≤1.5W
Dimensions (W × H × D)		170mm × 120mm × 18mm
Device Weight		0.26 kg
Standard Accessories Included		USB Cable, CD-Rom. Manual, Probes, Probe Adjust Tool
Optional Accessories		Soft bag
Warranty		12 months

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Power Supply, Bench, Prog, 1Ch, 5A, 30V

Application

Military R&D, Quality Inspection, Circuit Functional Testing, Automotive Circuit Testing, Education and Technical Training Electronic component testing and aging analysis, Monitoring battery charging curve.

Specifications

Characteristic	MP710086 US
Channel	Single Channel Output
Total Output Power	150W
Channel Output	0V to 30V / 0A to 5A × 1-CH
Display	3.7 inch colour LCD Display
Dimension	117mm(L) × 194mm(H) × 295mm(D)
Weight	Approx. 5.6 kg
Interface	RS232 and USB

Note: The instrument must be operated continuously for more than 30 minutes at the specified temperature to ensure the following parameters.

Accessories Included : (UK / EU) or US Power Cord, Fuse, RS232 Cable, USB Cable and User Manual

Standard Warranty : 12 Months

Characteristic		MP710086 US
Rated Output (0°C to -40°C)	Voltage	0 to 30V
	Current	5A
Load Regulation	Voltage	≤0.01% +3mV
	Current	≤0.01% +3mA
Power Regulation	Voltage	≤0.01% +3mV
	Current	≤0.01% +3mA
Setting Resolution	Voltage	1mV
	Current	1mA
Read Back Resolution	Voltage	1mV
	Current	1mA
Set Point Accuracy (within 12 months) (25°C ±5°C)	Voltage	≤0.03% +10mV
	Current	≤0.1% +5mA
Read Back Resolution (25°C ±5°C)	Voltage	≤0.03% +10mV
	Current	≤0.1% +5mA
Ripple/Noise (20Hz - 20MHz)	Voltage (Vp-p)	≤4mVp-p
	Voltage (rms)	≤1mVrms
	Current (rms)	≤4mArms
Output Temperature Coefficient (0°C to +40°C)	Voltage	≤0.03% +10mV
	Current	≤0.1% +5mA
Read Back Temperature Coefficient	Voltage	≤0.03% +10mV
	Current	≤0.1% +5mA
Response Time		100µs
Storage		5 groups of data
Working Temperature		0 - 40°C

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Digital Soldering Station, 80W, 120V

Specifications

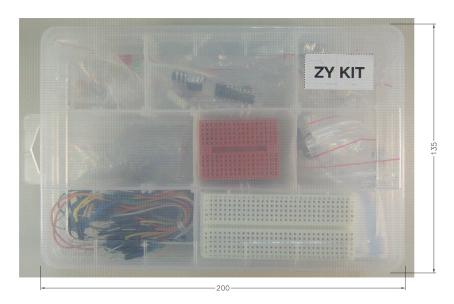|	
Input Voltage	: 100V AC to 120V AC 60Hz
Heater voltage	: 26V AC
Temperature range	: 150°C to 450°C
Temperature offset range	: ±50°C
Temperature stability	: ±2°C (in still air, no load)
Temperature adjustment	: 5 digits (Default)/1 digit (Fine-tuning)
Automatic stand-by time	:1-120 minutes (Adjustable)
Automatic shutdown time	:1-120 minutes (Adjustable)
Heater	:60W High performance dual-core ceramic heater
Tip-to-ground impedance	:< 2Ω
Tip-to-ground voltage	:< 2mV

Includes

Main Unit	
Iron	1
Iron stand	
Cleaning Sponge	

Breadboard Project Kit; Board Type:Prototype Board

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Number	Name	Quantity
1	Plastic Box	1
2	Breadboard (ZY-170, ZY-600, ZY-060)	5
3	Jumper Wire Approximately 65 Strips	1
4	5549 Photoresistance	1
5	5V Active Buzzer	1
6	Speaker	1
7	8050	1
8	8550	1
9	9013	1
10	9012	1
11	1N4148	1
12	Resistance 1/4W (100, 470. 1K. 4.7, 10K, 20K, 47K, 100K, 200K, 510K, 1MD	Each 10
13	Battery 2032	1
14	LED Light (Red)	1
15	LED Light (Green)	1
16	LED Light (Yellow)	1

Number	Name	Quantity
17	LED Light (Random Colour)	1
18	LED Light (Random Colour)	1
19	LED Light (Random Colour)	1
20	LED Light (Random Colour)	1
21	LED Light (Random Colour)	1
22	CD4069	1
23	CD4017	1
24	LM386	1
25	NE555	1
26	CD4011	1
27	CD4026	1
28	LG5011ASR Nixie tube	1
29	Monolithic Capacitor (0.01u, 0.047u, 0.1u, 0.47u, 1uF)	Each 1
30	Microphone	1
31	Reed Switch	1
32	Electrolytic Capacitor (4.7u, 10u, 47u, 100u, 220uF)	Each 1
33	Diode	1

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4 Outlet 270J Surge Protector Strip

Specifications

No. of Outlets	: 4 Outlets
Outlet Type	: NEMA 5R to 15R
Current Rating	: 15A
Supply Voltage V AC	: 125V
Cable Length	: 3ft

Part Number Table

Description	Part Number
Developer With 150Pcs Project Kit : Breadboard Kit 150Pcs + DMM + PC Based Oscilloscope + Bench top PSU + Soldering Station + Fume Extracter + Surge Protector Outlet Strip	Developer W/150Pc Project Kit

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