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DIGITAL AUTOMOTIVE MULTIMETER

KPS-MT490



- Digital multimeter with environmental measurements: Temperature, relative humidity, sound level and brightness
- 4000 counts
- Measurements of DC / AC voltage, DC / AC current, resistance, capacity and frequency - Continuity warning and diode test
- Selection of °C / °F
- Hold readings on screen
- Autoscale, auto power off, backlit display and low battery indication
- CAT.III 600V according to EN 61010
- Power supply: 3 AAA 1.5V batteries
- Dimensions: 195x92x55 mm



KPS-MT490

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General	
Power Supply	3×1.5V AAA Battery
Product Size	195mm×92mm×55mm
Product Weight	390g
Certificate	CE/ETL/RoHS
Safety Rating	CAT III 600V

Specs	
Display Counts	4000
Auto ranging	✓
Auto Power Off	✓
°C/°F Selection	✓
Data Hold	✓
Diode	1.5V
Continuity Buzzer ($50\pm 20\Omega$)	✓
Sound & Light Warning	For Incorrectly Inserting the Input Plugs (S Version only)
Low Battery Display	✓
Display Backlight	✓

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Specs	Range	Resolution	Accuracy
DC Voltage	400mV/4V/40V/400V/600V	0.1mV/1mV/10mV/0.1V/1V	±(0.7%+2)
AC Voltage	400mV/4V/40V/400V/600V	0.1mV/1mV/10mV/0.1V	±(0.8%+3)
		1V	±(1.0%+3)
DC Current	400µA/4000µA/40mA/400mA	0.1µA/1µA/10µA/0.1mA	±(1.2%+3)
	4A/10A	1mA/10mA	±(2.0%+10)
AC Current	400µA/4000µA/40mA/400mA	0.1µA/1µA/10µA/0.1mA	±(1.5%+5)
	4A/10A	1mA/10mA	±(3.0%+10)
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ	0.1Ω/1Ω/10Ω/0.1kΩ/1kΩ	±(1.2%+2)
	40MΩ	10kΩ	±(2.0%+5)
Capacitance	40nF/400nF/4µF/40µF/100µF	0.01nF/0.1nF/1nF/10nF/0.1µF	±(3.0%+3)
Frequency	10Hz	0.001Hz	±(2.0%+5)
	100Hz/1000Hz/10kHz	0.01Hz/0.1Hz/1Hz	±(1.5%+5)
	100kHz/200kHz	10Hz/0.1kHz	±(2.0%+5)
	>200kHz	0.1kHz	Reference
Duty Cycle	0.1%~99.9%	0.1%	±(3.0%)

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Specs	Range	Resolution	Accuracy
Temperature (K-Type)	-20°C ~ 0°C	1°C	±(5.0%+3)
	1°C ~ 400°C	1°C	±(1.0%+2)
	401°C ~ 1000°C	1°C	±(2.0%)
	-4°F ~ 32°F	1°F	±(5.0%+6)
	33°F ~ 752°F	1°F	±(1.0%+4)
	753°F ~ 1832°F	1°F	±(2.0%)
Environment	0°C ~ 40°C	0.1°C	±(2.0°C)
	32°F ~ 104°F	0.1°F	±(4.0°F)
Relative Humidity	20% ~ 95%	0.10%	±(5.0%)
Sound Level	40dB ~ 100dB	0.1dB	±(3.5%)
Luminosity	4000Lux/40000Lux	1Lux/10Lux	±(5.0%+10)

Product Code Information

SKU	KPSMT490CBINT
EAN code	8435394774718
UPC code	810053670064
Pcs/export carton	20