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MM450 SLIM DIGITAL MULTIMETER, TRMS AUTO RANGING, 600V

KLEIN TOOLS

Catalog Number	MM450
Manufacturer	KLEIN TOOLS
Description	Klein Tools MM450 Multimeter is a TRMS auto-ranging slim multimeter that measures AC/DC voltage, AC/DC current, and resistance. It can also measure temperature, capacitance, frequency, duty-cycle, and test diodes and continuity. It features a high visibility, reverse contrast display with an optical sensor to automatically optimize viewing in dark or bright ambient light. The slim profile of the MM450 makes this meter almost the size of a cell phone and it conveniently fits into most pockets. The MM450 fea
Weight per unit	1.1 (lbs/each)
Product Category	Tools & Testers

Features

Accuracy	See Instructions
Capacitance	400
Material	ABS, Electrical Components
Overall Height	1.09" (2.8 cm)
Overall Width	3.14" (8 cm)
Temperature Range	-40° to 1832°F (-40° to 1000°C)
Voltage	600V AC/DC
Display	4000 Count LCD
Functions	Measures up to 600V AC/DC Voltage, 10A AC/DC Current and 50M Resistance, Temperature, Capacitance, Frequency, Duty-Cycle, Test Diodes and Continuity
Included	Multimeter, Carrying Case, Test Leads with CAT III/CAT IV Safety Caps, Thermocouple, Instructions, 2 x AAA Batteries
Media	Yes

Material, Color, and Finish

Color	Orange/Black

Dimensions and Weight

Overall Length	6.5" (16.5 cm)

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Descriptions

Description	SLIM DIGITAL MULTIMETER, TRMS AUTO RANGING, 600V
Features	Klein Tools MM450 Multimeter is a TRMS auto-ranging slim multimeter that measures AC/DC voltage, AC/DC current, and resistance. It can also measure temperature, capacitance, frequency, duty-cycle, and test diodes and continuity. It features a high visibility, reverse contrast display with an optical sensor to automatically optimize viewing in dark or bright ambient light. The slim profile of the MM450 makes this meter almost the size of a cell phone and it conveniently fits into most pockets. The MM450 fea
Long Description	Klein Tools MM450 Multimeter is a TRMS auto-ranging slim multimeter that measures AC/DC voltage, AC/DC current, and resistance. It can also measure temperature, capacitance, frequency, duty-cycle, and test diodes and continuity. It features a high visibility, reverse contrast display with an optical sensor to automatically optimize viewing in dark or bright ambient light. The slim profile of the MM450 makes this meter almost the size of a cell phone and it conveniently fits into most pockets. The MM450 fea
Product Type	Slim Digital Multimeter, 600V, Temp
Special Features	Auto Power-Off;Auto-Range;Data-Hold;High-Visibility Display with Optical Sensor;Lead-Alert;Min/Max Measurements;Slim Profile
Extra Long Description	KLE MM450 Slim Digital Multimeter,

Manufacturer Information

Brand	Klein Tools
GTIN	00092644693755
Manufacturers Part Number	MM450
UPC	783523

Taxonomies, Classifications, and Categories

Category Description	TEST EQUIPMENT, TESTERS AND MULTIMETERS
Type	DIGITAL MULTIMETER

Packaging

Carton	1
Package	6
Weight	9.1 oz (258 g)
Weight Per Each	1.1 (lbs/each)

Uses, Certifications, and Standards

Application	Testing and Measuring Voltage
Standard	CAT III 600V;CE and UKCA Certified

DIGITAL MULTIMETERS

Tested Tough. Trusted Safe.



MM720
TRMS AUTO-RANGING,
1000V, TEMP, LOW IMPEDANCE

MM450
SLIM, TRMS AUTO-RANGING,
600V, TEMP

MM420
TRMS AUTO-RANGING,
600V, TEMP

MM325
MANUAL-RANGING, 600V

2 m

CAT III 600V

CAT IV 600V

CE

UK CA

Intertek 5000573

KLEIN TOOLS

DIGITAL MULTIMETERS FROM KLEIN TOOLS...

Thin Profile



MM420

Large Backlit Display for low-light environments (on models MM325, MM420)

Large Reverse-Contrast Display with optical sensor for automatic backlight adjustment (on models MM450, MM720)

Function Buttons are clearly marked

Function Selection Switch; functions vary on models

Lead Alert Protection LED's illuminate for test lead placement (on models MM325, MM420, MM450)

Test Lead Input Jacks



MM450



MM450 SIDE VIEW



MM420 BACK VIEW

Test Lead Holders located on back for hands-free operation (on models MM325, MM420, MM720)

Magnetic Hanger Clips onto Meters (MM325, MM420, MM720). Available as accessory.



69445



69417

Magnetic Hanger Straps onto Meter (MM450). Available as accessory.

...DURABLE, RELIABLE, AND FUNCTIONAL

MM720

TRMS AUTO-RANGING, 1000V, TEMP, LOW IMPEDANCE

Auto-ranging True Root-Mean-Squared (TRMS) digital multimeter featuring a bright reverse contrast display with optically controlled backlight. Meter measures AC/DC voltage, AC/DC current, resistance, continuity, temperature, capacitance, frequency, and low impedance functionality.

Features an LCD version of the Lead Alert function.



MM450

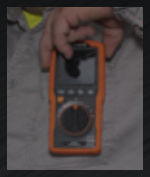
SLIM, TRMS AUTO-RANGING, 600V, TEMP

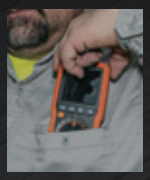
Slim, auto-ranging True Root-Mean-Squared (TRMS) digital multimeter featuring a bright reverse contrast display with optically controlled backlight. Meter measures AC/DC voltage, AC/DC current, resistance, continuity, temperature, capacitance, frequency, and more.

Features Lead Alert LED's for safe test lead placement.



Slim profile allows multimeter to conveniently fit into most pockets. Includes the same quality of safety rated CAT III 1000V/ CAT IV 600V test leads that you expect from Klein Tools.







MM420

TRMS AUTO-RANGING, 600V, TEMP

Auto-ranging True Root-Mean-Squared (TRMS) digital multimeter featuring an LCD with bright backlight. Meter measures AC/DC voltage, AC/DC current, resistance, continuity, temperature, capacitance, frequency, and more.

Features Lead Alert LED's for safe test lead placement.



MM325

MANUAL-RANGING, 600V

Manual-ranging digital multimeter featuring an LCD with bright backlight. Meter measures AC/DC voltage, DC current, resistance, continuity, and battery test.

Features Lead Alert LED's for safe test lead placement.



Tested Tough. Trusted Safe.

FEATURES	MM720	MM450	MM420	MM325
AC Voltage (Volts)	1000V	600V	600V	600V
DC Voltage (Volts)	1000V	600V	600V	600V
AC Current (Amps)	10A	10A	10A	–
DC Current (Amps)	10A	10A	10A	10A
Resistance (Ohms)	60MΩ	50MΩ	50MΩ	2MΩ
DC Millivolts	●	●	●	●
AC Milliamps	●	●	●	–
DC Milliamps	●	●	●	●
AC Microamps	●	●	●	–
DC Microamps	●	●	●	●
True RMS	●	●	●	–
Audible Continuity	●	●	●	●
Backlight	Reverse-Contrast Optical Sensor	Reverse-Contrast Optical Sensor	●	●
Temperature	-40° – 1832°F (-40° – 1000°C)	-40° – 1832°F (-40° – 1000°C)	-40° – 1832°F (-40° – 1000°C)	–
Low Impedance	●	–	–	–
Auto Ranging	●	●	●	–
Range Hold	●	●	●	–
Data Hold	●	●	●	●
Diode Test	●	●	●	●
Capacitance Test	6000 µF	400 µF	400 µF	–
Frequency / Duty Cycle	1Hz – 500 KHz	1Hz – 50 KHz	1Hz – 50 KHz	–
Max / Min	●	●	●	–
Lead Alert Warning	On LCD	Green LED's	Green LED's	Green LED's
Magnetic Mount	Available As Accessory	Available As Accessory	Available As Accessory	Available As Accessory
Auto-Power Off	●	●	●	●
Battery Test	–	–	–	●
LCD Display Count	6000	4000	4000	2000



Cat. No.	UPC# 0-92644+	Description	Includes	Drop Protection	Ingress Protection	Safety Rating	Length	Width	Depth
MM720	69376-2	Digital Multimeter, TRMS Auto-Ranging, 1000V, Temp, Low Impedance	Test Leads with CATIII/CAT IV safety caps, Thermocouple, Instruction Manual, 2 x AAA Batteries, Carrying Case	6.6' (2 m)	IP42	CAT IV 600V CAT III 1000V	6.94" (17.6 cm)	3.37" 8.5 cm)	1.88" (4.7 cm)
MM450	69375-5	Slim Digital Multimeter, TRMS Auto-Ranging, 600V, Temp	Test Leads with CATIII/CAT IV safety caps, Thermocouple, Instruction Manual, 2 x AAA Batteries, Carrying Case	6.6' (2 m)	—	CAT III 600V	6.5" (16.5 cm)	3.14" (8 cm)	1.09" (2.8 cm)
MM420	69374-8	Digital Multimeter, TRMS Auto-Ranging, 600V, Temp	Test Leads with CATIII/CAT IV safety caps, Thermocouple, Instruction Manual, 2 x AAA Batteries	6.6' (2 m)	—	CAT III 600V	6" (15.2 cm)	3.16" (8 cm)	1.78" (4.5 cm)
MM325	69373-1	Digital Multimeter, Manual-Ranging, 600V	Test Leads with CATIII/CAT IV safety caps, Instruction Manual, 2 x AAA Batteries	6.6' (2 m)	—	CAT III 600V	6.41" (16.2 cm)	3.13" (7.9 cm)	1.83" (4.6 cm)
Accessories									
69410	69410-3	Replacement Test Lead Set, Right Angle	One pair of test leads with CATIII/CAT IV safety caps and one set of Alligator Clip. Standard banana-type inputs are compatible with most multimeters and clamp meters.						
69417	69417-2	Rare-Earth Magnetic Hanger, with Strap	Powerful Rare-Earth magnet; durable nylon weave strap						
69445	69288-8	Rare-Earth Magnetic Hanger, no Strap	Powerful Rare-Earth magnet						

KLEIN TOOLS® EST. 1857

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