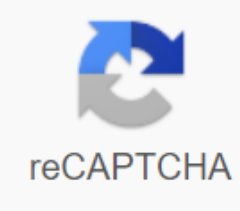




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Klein tools mm200 manual

Klein MM200 is one of the lower ends of Klein's multimeters. This is good for those looking for a more mainstream tester, albeit reliable from a respected brand. It measures all kinds of inputs, including voltage, amplifiers and continuity, and is more suited to light electrical work rather than industrially rated DMM. In short, it is suitable for general purpose electricity and electronics. While it won't win any awards for outstanding functionality, toughness and accuracy, it is nonetheless an acceptable multimeter at this price point. Outstanding features from the Klein MM200 review include its small size, micro-amplifier and capacitive inputs, and a backlight display.

Key characteristics auto in the range CATIII 600V safety rating Temperature, capacity and frequency Measures reinforcing, milliampers and micro-amplant Continuity has a loud Beeper Diode test Data keeps the backlight screen Automatically turning off the low battery indicator Size: 5.7 (146 mm) x 2.7 (70 mm) x 1.7 (45 mm) (45 mm) 45 mm)) Weight: 14oz (397g) Included tester Probe tester / leads 9V battery Thermocoupler (Type K) Klein Tools mm200 guide Full review Klein MM200 Basic functions are the ability to measure AC voltage and DC up to 600V, AC amplifiers up to 10A, milliampers/micro-amplifiers setting, and temperature (with type K switch included). It also has standard test functionality - resistance, continuity and diode checking - as well as testing the frequency/duty of the cycle and capacity. These characteristics make it quite useful to check the main electronic circuits. ACCURACY RANGE ACCURACYRESOLUTION AC voltage 4V / 600V±(1.2%+5) 1mV-1V DC voltage 400mV / 600V±(0.5%+3)0.1mV-1V AC current (low) 400µA / 400mA±(1.2%+3) 0.1µA-0.1mA AC current (high) 10A±(3.0%+5) 0.1A DC current (low) 400µA / 400mA ±(1.0%+3) 0.1µA-0.1mA DC current (high) 10A±(3.0%+5) 0.1A Resistance400Ω / 40MΩ±(0.8%+4) @400-4MΩ0.1Ω-0.01MΩ Capacitance4nF to 200µF±(3.0%+6) @4nF-40µF0.001nF-0.1µF Frequency9.999Hz to 999.9kHz±(0.5%+2)0.001Hz-0.1kHz Duty cycle0.1% to 99.9%±(2.0%+5)0.1% Temperature °F -4°F to 1832°F±(3.0%+2) @32-1832°F — input impedance is 10MΩ — Accuracy levels are crude and may not take into account full ranges and digit/count offset. They may also differ from factory specifications depending on battery status, potential customer integrity, calibration accuracy, test subject reliability, user competence, and environmental conditions. Note: This multimeter should be recalibrated annually. Best for: This multimeter is mainly for those in lighter use, such as home electricity, single-phase installations, electronics, DIYers and hobbies. Although CATIII, it doesn't really for industry, but can rely on many tasks as a fallback. It will also suit those in the automotive industry to some extent, although the lack of RPM and location angle overview function may be off. Design / Build quality MM200 is a decent multimeter, with a pretty good external and internal build quality. While not Klein's most attractive tester, keep in mind that he is in the lower league of their selection of Test spinners. This, however, ETL is listed. Importantly, this counter fits in the hand firmly enough, being both small and light enough to hold on for long periods of time. In addition, it comes with a decent stand and rear probe holders. The 9V battery, meanwhile, can be accessed by a single screw on the back of the device. If low, the display displays a low battery icon. The DISPLAY and interface of the MM200 display is 4,000-graph (3-3/4 digits, meaning it can be displayed up to 39.99 resolution on a given input range). It is crisp and durable, displays important icons on the screen, as well as backlighting, which is a big plus. Keep in mind that prolonged use of backlight will significantly reduce battery life, which is a typical reason why the meter may lose charge faster than intended. The selector of the set of 10 positions is simple. Although the color is not encoded, it is clear which input is which. DC and AC voltage and amplifier particle inputs, as well as continuity / diode checking and frequency / duty cycle. The step between them is achieved with the Function button. One obvious negative from the Klein MM200 review - as is often the case with many multimeters in this category - is the lack of a special slot for milliampers and micro-amplifiers. As a result, users may find that fuses blow more often than not when testing voltage. Function and performance DC/AC voltage range can tease auto technicians because it defaults to AC when selected, meaning you will have to hit functions every time before you can check the VOLT DC. Unlike many metres of this price range, the MM200 multimeter has its input capacity. Overall, it works pretty well, with an automatic range running at an acceptable speed, though naturally not as fast as a typical manual meter. General accuracy from DC volts can be a challenge for some. BUTTON FUNCTION: Switch function to a given input selection (e.g. AC volt to DC) HOLD: Freeze current HZ% reading: read frequency and duty of the loop of this input backlight: on and off Protection The Klein Tools brand has a good reputation for reliably constructed tools. This also applies to its multimeters, including the Klein MM200, which is generally well protected both mechanically and electrically. The body has a double wall and is covered with a rubber boot that protects the corners from impacts and Both milliampers and reinforcing circuits are protected by rapid blow fuses. You can also buy an additional kit to replace the fuse. MM200 Pros and Cons PROS feels durable display backlight Auto range a lot of functionality - including individual temperatures and capacity inputs Can measure amplifier amplifier Milliamps/micro-amplifiers input protection on current CONS Milliamps circuits shared with the main test terminal Bit inaccurate Cheaper meters available in this bracket Better reliability due to higher quality probe leads Roundup For those on a more budget, Klein MM200 multimeter review has a decent alternative to the budget end of more established brands. While it's not as accurate or accurate as it can be, it's a very useful device nonetheless powered by those with an interest in general electricity, electronics and automatic repairs. Also, for more functionality and a higher rating (CATIII - CATIV), you might want to consider Klein MM1000. Select AccessoriesClyan Tools Test LeadsCanvas Carry PouchKT-69410 ||| video review>profer||| <> AC/DC, current, resistance, capacity, frequency, temperature, diod and signal continuity measures - the ideal all-in-one solution for electric workersAuto-band capacity greatly simplifies electric bandage tests, automatically detecting the desired range of measurementsCut backlight LED with lots for easy reading in all environments, including dark areas such as attics, basements and interior wallsIdeal for all applications, from hobbies and repair of the DIY house to industrial electrical work, which can get additional features Digital multimeter MM200 is affordable, professional tester suitable for many applications. The ability to auto-dial, but eliminates setup time, and the built-in both and backlight ensures that you can always view and record results in any environment without additional tools. This DMM produces accurate results for hobbies, repair technicians and travelers. Part #DescriptionDimensionsPrice KT-69410Klein Tools Tests Leads36LManufacturer DirectKT-69401Canvas Carry Pouch13.75 W 8 HManufacturer Direct includes a removable thermocouple to measure temperature, elimination of the need for a separate thermometer Available nylon bag holds the kit together and protects against abrasion Integrated test lead holsters in the back of the unit for easy cable control Removable test drives can be easily replaced in case of damage from overload, saving on the cost of purchasing a brand new unit Durable rigid plastic structure for durability under rough conditions repair rooms, construction sites and remodeling environments Integrated stand allows you to work without hands Battery cover screws closed to prevent the lid from falling and straying Overload protection: Frequency RMS RMS 600V : 50 -6 Hz Input Pulse: > 10MP Response: Average resolution range 4V to 600V 1mV to 1V ± (1.2% + 5 digits) Overload protection : 600V RMS Range Resolution 400 Om to 4MP from 0.1 Om to 0.001MP ± (0.8% + 4 digits) 40MP 0.01MP ± (1.5% + 4 digits) Overload protection: 600V RMS 4nF Range: Declared accuracy with film film or better Range Resolution Accuracy 4nF to 40µF 0.001nF to 0.01µF ± (3.0% + 6 digits) 200µF 0.1µF ± (4.0% + 6 digits) Overload Protection: 600V RMS Sensitivity: 0.7V RMS at 1MHz Range Resolution Accuracy 9.999Hz to 999.9kHz 0.001Hz to 0.1kHz ± (0.5% + 2 digits) Overload Protection: 600V RMS Sensor: K-type thermocouple, accuracy not listed Range Resolution Accuracy -4°F to 32°F (-20°C to 0°C) 1°F (17.22°C) ± (5.0% + 2 digits) 32°F to 1.832°F (0°C to 1,000°C) 1°F (17.22°C) ± (3.0% + 2 digits) Overload Protection: 600V RMS Frequency: 0.5Hz ~ 100kHz (pulsewidth > 2µsec) Range Resolution Accuracy 0.1% to 99.9% 0.10% ± (2% + 5 digits) Range Resolution DC Accuracy AC Accuracy 400µA ~ 400mA 0.1µA ~ 0.1mA ± (1.0% + 3 d) ± (1.2% + 3 d) 10A 0.01A ± (3.0% + 5 d) ± (3.0% + 5 d) mA Input : F400mA / 250V запобіжник 10A вхід; F10A / 500V запобіжник mA вхід; 400mA постійного струму / AC RMS 10A вхід; 10A DC / AC RMS переваантаження захисту тестовий струм Відкритий ланцюг Напруга 600V RMS Apprx. 0.6mA Apprx. &t; 1.5V DC переваантаження захисту відкритого ланцюга Напруга 600V RMS Apprx. 0.44V Робоча висота 6560 футів (2000 м) Відносна вологість повітря 75% максимальна робоча температура від 32 ° F до 104 ° F (від 0 ° C до 40 ° C) &t; 75% R.H. Температура зберігання від -4°F до 140°F (від -20°C до 60°C) &t; 80% R.H. Температура точності (від 18°C до 28°C) від 64°F до 82°F &t; 75% P.Год. Температурний коефіцієнт 0.1*(задана точність) / °C Частота відбору проб 3 проби в секунду Розміри 2,76 Ш x 1,97 D x 5,91 H (7,01 см Ш x 5 см x 15,01 см H) Вага 8,36 см оз. Калібрування Точний за один рік САТ Рейтинг САТ III 600V Лістинг ETL &ramp; cETL стандарт UL 3111-1 перераховані Забруднення Ступінь 2 Точність ± (% читання + # найменш значущих цифр) КЕРІВНИЦТВА &ramp; ПОСІБНИКИ КОРИСТУВАЧА - СХОЖІ СТАТТИ - ПЕРЕГЛЯНУТИ НАШ ГЛОСАРІЙ Чи знаєте ви, що ми можемо дати вам цитату для більшості наших продуктів , включаючи доставку? Ви також можете зателефонувати нам безкоштовно 866-222-0030 У вас є які-небудь питання про цей продукт? Нехай наші експерти і клієнти вирішать всі ваші сумніви

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