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Klein tools multimeter mm200 manual

Manufacturer discontinued. Sub MM400 Klein Auto ranging Multimeter MM200 Auto switching voltage The Klein MM200 is one of Klein's lower end multimeters. This is good for those who are looking for a basic tester, although reliable is a recognized brand name. It measures all kinds of inputs, including voltage, amplifiers and continuity, and is better suited for light electrical work rather than being an industrially rated DMM. In short, it corresponds to general purpose electricity and electronics. While it does not win any awards for outstanding functionality, robustness and accuracy, it is nonetheless acceptable multimeter at this price point. The outstanding features of the Klein MM200 review include small size, micro-amplification and capacity inputs, and a backlit display. >>>See here the current pricing key specifications for Auto ranging from CATIII 600V safety rating measures to temperature, capacity and frequency measures for amplifiers, milliampers and microampers Continuity loud sound diode test Data keep Backlit screen Auto-off Low battery indicator Size: 5.7 (146mm) x 2.7 (70mm) x 1.7 (45 mm) Weight: 14oz (397g) Included Tester Test probes / conducts 9V battery thermometer (Type K) klein devices mm200 manual full review Klein MM200 Main characteristics are able to measure AC and DC voltage 600V, AC and DC amplifiers have 10A, milliamper/micro-amp settings, and temperature (included K type thermometer). It also has standard test function - resistance, continuity and diode control - as well as frequency/cycle control and capacity. These specs do are pretty useful for checking basic electronic circuits. PONTOSSÁGTARTOMÁNY PONTOSSÁGA AC feszültség 4V / 600V±(1.2%+5) 1mV-1V DC feszültség 400mV / 600V±(0.5%+3)0.1mV-1V AC áram (alacsony) 400µA / 400mA±(1.2%+3) 0.1µA-0.1 mA AC áram (magas) 10A±(3.0%+5) 0.1A DC áram (alacsony) 400µA / 400mA ±(1.0%+3) 0.1 µA-0.1mA DC áram (magas) 10A±(3.0%+5) 0.1A Ellenállás400Ω / 40MΩ±(0.0-0.0-0 8%+4) @400-4MQ.0.1Ω-0.01MΩ Capacitance4nF to 200µF±(3.0%+6) @4nF-40µF0.001nF-0.1µF Frequency9.999Hz to 999.9kHz±(0.5%+2)0.001Hz -0.1 kHz-es terhelhetőség0.1% és 99.9% ±(2.0%+5)0.1% Hőmérséklet °F -4°F és 1832°F ± (3.0%+2) @32-1832°F – a bemeneti impedancia 10MΩ – A pontossági szintek nyersek, és nem feltétlenül veszik figyelembe a teljes tartományt és a számszám/szám-eltolást. Depending on battery status, wire integrity, calibration accuracy, subject reliability, user competence and environmental conditions, they may differ from factory specifications. NOTE: this multimeter shall be recalibraed annually. The best anambe: this multimeter is primarily for easier use, such as domestic electrical, single-phase equipment, electronics, DIYers and hobbyists. While catii, it's not really suitable for the industry, but it can be many tasks as a backup. It also complies with the the automotive industry to an extent, although the lack of RPM and dwell angle testing features is also a little off. Design/Build Quality The MM200 is a decent looking multimeter, with a very good exterior and internal construction quality. While not Klein's most attractive tester, keep in mind that in the lower leagues the selected Test meters. However, this etl is included. It is important that this meter fits in hand tight enough to be both small and light enough to hold for a longer period of time. In addition, it comes with a decent stand and rear probe mounts. The 9V battery, meanwhile, can be accessed with a single screw on the back of the device. When the battery is low, the low-battery icon appears on the display. Display and interface The MM200 display is 4000 pieces (3-3/4 digits, which means it can display up to 39.99 resolution in a given input range). It is clear and durable, displaying important icons on screen and is also backlit, which is a big plus. Keep in mind that prolonged use of backlighting drastically reduces battery life, which is the typical reason why a meter can lose charge faster than expected. The 10-position dial selector is simple. Although not color-coded, it is clear which input is which. DC and AC voltage and current share inputs, as do the continuity/diode control and frequency/operating cycle. These can be accessed by pressing the Function button. One obvious negative in the Klein MM200 review - as is often the case with many multimeters in this category - is the lack of a dedicated jack socket with milliampers and micro-amplifiers. As a result, users find that fuses blow more often than not when testing voltage. Function and performance The DC voltage/AC voltage range can annoy automatic technicians as it chooses ac by default, which means you have to hit the feature every time before you can test THE DC VOLTAGE. Unlike many meters in the price range, however, the MM200 multimeter has its own capacity input. Overall, it performs quite well, the automatic range works at an acceptable speed, although of course not as fast as a typical manual meter. Overall accuracy away from DC was a matter for some. BUTTONS FUNCTION: switch function for a specific input selection (such as AC was dc volt) HOLD: freeze the current read HZ%: read frequency and cycle of a specific input backlight: on and off Protection The Klein Tools brand has a reputation for stably built devices. This applies to multimeters as well, including the Klein MM200, which is generally well protected both mechanically and electrically. The case has a double wall and is covered with a rubber rack that protects the corners from bumps and drops. Both milliampers and amplifier fast blow-out fuses. You can also purchase an optional replacement fuse kit. MM200 Pros and Cons Benefits Feel Powerful Backlit Display Auto Starting Lots Lots functionality – including separate temperature and capacity inputs for measuring amplifiers continuously Milliamps/micro-amplifiers inputs Overload protection current circuits CONS Milliamps shared main test terminal Bit inaccurate Cheaper meters available in this bracket Improved reliability through higher quality probe leads to Roundup For those with more budget, the Klein MM200 multimeter review is a decent alternative to the budget of several established brands. While not as accurate or accurate as it could be, it's a very useful tool though, catering to those interested in general electrical, electronics and auto repair. Alternatively, with more features and a higher rating (CATIII - CATIV), you might want to consider the Klein MM1000. Select AccessoriesKlein Tools Test LeadsCanvas Carry PouchKT-69410||| videoviewer>player||| > Measures AC/DC voltage, current, resistance, capacity, frequency, temperature, diode, and signal continuity – the perfect all-in-one solution for electric workersAuto-ranging capability greatly simplifies electrical testing by automatically detecting the desired range of measurement of Perceptible backlit LEDs in large numbers for easy reading in all environments, including dark areas such as lofts, basements, and interior wallsIdeal for all applications, hobby and DIY home repairs industrial electric workClick with several features The MM200 digital multimeter is an affordable, professional test suitable for many applications. The automatic switching capability eliminates setup time, and the built-in stand and backlight ensure that you can always view and record the results in any environment without using additional tools. This DMM provides accurate results for hobbyists, repair technicians, and journeymen alike. Part #DescriptionDimensionsPrice KT-69410Klein Tools Test Leads36LManufacturer DirectKT-69401Canvas Carry Pouch13.75 W 8 HManufacturer Direct Includes a removable thermometer to measure temperature, no need for a separate thermometer available in nylon carry pouch keeps the kit together and protects against wear integrated test lead holster in the rear unit for easy cable handling Interchangeable test wires can be easily replaced in case of damage to overload, saving the cost of purchasing a completely new unit Massive hard plastic construction for durability in difficult conditions in repairers, construction sites, and conversion environments Integrated stand allows hands-free operation Battery cover screws closed to prevent the cover from falling off and lost Overload Protection: 600V RMS RMS Frequency : 50–60Hz Input Impedance > 10MΩ Answer: Averaging range resolution accuracy from 4V and 600V from 1mV to 1V ± (1.2% + 5 digits) Overload protection : 600V RMS range 400H a 4MH 0.1H-0.001MH ± (0.8% + 4 számjeggy) számjeggy) 0.01MΩ ± (1.5% + 4 digits) Overload Protection: 600V RMS 4nF Range: Stated accuracy with film capacitor 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 fuse 10A Input: F10A / 500V fuse mA Input: 400mA DC / AC RMS 10A Input: 10A DC / AC RMS overload protection test current open circuit voltage 600V RMS Appx. 0.6mA Appx. < 1.5 V DC Overload Protection Open Circuit Voltage 600V RMS Appx. 0.44 V operating height 6560 ft (2000 m) Relative humidity 75% max operating temperature 32° F and 104 °F (0° C to 40 °C) < 75% R.H. Storage temperature -4°F to 140°F (-20°C to 60°C) < 80%R.H. Precision temperature (18°C to 28°C) 64°F and 82°F < 75% R.H. Temperature 0.1°(specified accuracy) / °C Sampling frequency 3 samples Dimensions per second 2.76 W x 1.97 D x 5.91 H (7.01 cm W x 5 cm D x 15.01 cm H) Weight 8.36 oz. Accurate calibration of a year CAT Rating CAT III 600V Listing ETL & cETL standard UL 3111-1 listed pollution rate 2 accuracy ± (% of reading + # the least significant digits) MANUALS & USER GUIDES - RELATED ARTICLES - VIEW OUR GLOSSARY You know that we can give you a quote for most of our products, including shipping? You can also call us toll free at 866-222-0030 Do you have any questions about this product? Let our experts and customers resolve any doubt

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