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This statement confirms that the product described below complies with the specifications currently published in the RS media and is subject to the strict quality conditions imposed by RS Components' internal management systems. In addition, and where applicable, it confirms that all relevant semiconductor devices have been processed and packaged in conditions that meet the administrative and technical requirements of the ANS/ESD S20.20 and EN61340-5-1 electrostatic management standards, RS Stock No. 518-5998 Title Fluke 1503, Isolation Tester, 1000V, 2G, CAT III 600V Manufacturer/ Brand Fluke Mfr. Part No. FLUKE 1503 The above information refers to the product sold on or after the date shown below. RS COMPONENTS RS Components Ltd 21/F Multinational Bancorporation Centre 6805 Ayala Avenue Makati City Philippines Be the first to review this product Compact, durable, reliable and easy to use, this insulation resistance tester has several test voltages that are ideal for many troubleshooting, commissioning and preventative application maintenance. It is also equipped with a remote probe, test wires, test probes and alligator clips. Compact, durable, reliable and easy to use, this insulation resistance tester has several test voltages, which is ideal for many troubleshooting, commissioning and preventative applications. It is also equipped with a remote probe, test wires, test probes and alligator clips. Reliable, compact insulation resistance tester for residential and commercial electricians Performs insulation tests from 0.01 MH to 2000 MH Offers two insulation voltage tests: 500 V and 1000 V Includes live detection chain to prevent insulation test, if voltage of the 30 V detected Resistance resistance to 2-day delivery from 0.01 Ω to 20.00 k Ω Free 2-day shipping over \$50 Fluke 1503 Isolation Resistance Tester handles all major insulation tests needs The Fluke 1503 is an excellent choice for major residential and commercial electrical insulation insulation tests. This sturdy, compact tool fits in the palm of your hand. The 1503 is the same form factor as the Fluke 1507, but with slightly less features. You can count on this to handle the most common tests at the most affordable price. Additional features, such as a remote probe, reduce the time it takes to perform repetitive tests. Other useful features: Measures AC/DC voltage from 0.1 V to 600 V Includes automatic discharge of capacitive voltage for additional user protection Provides lo-ohms earth-bond continuity (200 mA) Simplifies repetitive Difficult-to-reach tests using remote test probe Saves battery with automatic power off Presents results on large, backlit display Features CAT IV 600 V overvoltage category rating Comes with remote probe, test leads, test probes, alligator clips, and one-year warranty Other work Runs on four AA alkaline batteries (NEDA 15 A or IEC LR6) for at least 1000 insulation tests AC/DC Voltage Measurement Accuracy Range 600.0 V Resolution 0.1 V 50 Hz to 400 Hz \pm (% of Rdg + Digits) \pm (2% + 3) Input impedance 3 M Ω (nominal), < 100 pF Common mode rejection ratio (1 k Ω unbalanced) < 60 dB at DC, 50 or 60 Hz Overload protection 600 V rms or DC Earth Bond Resistance Measurement Range/Resolution 20.00 Ω 0.01 Ω 200.0 Ω 0.1 Ω 2000 Ω 1.0 Ω 20.00 k Ω 0.01 k Ω Accuracy \pm (1.5% + 3) Overload protection 2 V rms or DC Open circuit test voltage < 4.0 V, < 8 V Short circuit current < 200.0 mA Insulation Specifications Measurement range 0.01 M Ω to 2000 M Ω Test voltage 500 V, 1000 V Test voltage accuracy + 20%, - 0% Short circuit current 1 mA nominal Auto discharge Discharge time < 0.5 second for C = 1 μ F or less Live circuit indicator Inhibit test if terminal voltage < 30 V prior to initialization of test Maximum capacitive load Operable with up to 1 μ F load Measure accuracy 500 V \pm (1.5% + 5) 1000 V \pm (1.5% + 5) to 2000 M Ω , \pm (10% + 3) above 2000 M Ω General Specifications Maximum voltage applied to any terminal: 600 V AC rms or DC Storage temperature -40°C to 60°C (-40°F to 140°F) Operating temperature -20°C to 55°C (-4°F to 131°F) Temperature coefficient 0.05 x (specified accuracy) per °C for temperatures < 18°C or > 28°C (< 64°F or > 82°F) Relative humidity 0% to 95% @ 10°C (50°F to 86°F) 0% to 75% @ 30°C to 40°C (86°F to 104°F) 0% to 40% @ 40°C to 55°C (104°F to 131°F) Vibration Random, 2 g, 5-500 Hz per MIL-PRF-28800F, Class 2 instrument Shock 1 meter drop per IEC 61010-1 2nd Edition (1 meter drop test, six sides, oak floor) Electromagnetic compatibility In an RF field of 3 V/M, accuracy and test accuracy (EN 61326-1:1997) Безопасность Компоненты с ANSI/ISA 82.02.01 (61010-1) 2004, CAN/CSA-C22.2 NO 61010-1-04, и IEC/EN 61010-1 2-е издание для измерения категории IV 600 V (CAT IV) Сертификация CSA в стандартном CSA/CAN C22.2 No 61010.1-04; TUV на стандартные батареи IEC/EN 61010-1 2nd Edition Batteries Four AA (NEDA 15A или IEC LR6) Battery life Insulation test use: Tester может выполнить не менее 1000 изоляционных тестов со свежими щелочными батареями при комнатной температуре. Это стандартные тесты 1 Ω с циклом службы 5 секунд и 25 секунд. Измерения сопротивления: Тестер может выполнить не менее 2500 измерений сопротивления земной связи со свежими щелочными батареями при комнатной температуре. Это стандартные тесты 1 Ω с циклом службы 5 секунд и 25 секунд. Размер (H x W x L) 5.0 x 10.0 x 20.3 см (1.97 x 3.94 x 8.00 in) Weight 550 g (1.2 фунта) IP рейтинг IP40 Altitude Operating 2000 m CAT IV 600 V, 3000 m CAT III 600 V Non-операционная (хранение) 12,000 m Over-диапазон возможности 110% диапазон в томография аксессуаров TL224 Test Leads, TP74 Test зонды, клипы PN 1958654 (красный) и PN 1958646 (черный), кобура и удаленный зонд Fluke 1503 Устойчивость к изолации probe Test leads Test probes Alligator clips User documentation Score 5 out of 5 Stosto from very reliable this meter is very easy to use and is reliable. I wish he'd come up with some type of case. Rating 5 out of 5 Pepin from efficiency is the key we bought this for our electricians to use in an industrial facility. This meter allows us to be faster in finding bad wires and engines. This has helped us become more reliable and sustainable in our company so that we can get less downtime on our production site. We also use this product as a preventive maintenance tool on all our critical equipment. It's a great product Score 5 out of 5 Tributes from user Friendly Tester Glad that I bought this is a isolating tester, compact and easy to use. Rated 5 out of 5 Louis from the Great Megger for the price. We bought a couple of these units and gave them to our electricians. They were happy because it's easy to use. They immediately lay it out in action and find a lot of questions at the plant. Process all the basic testing isolation requirements with this insulation resistance tester. Perfect for basic residential and commercial electrical insulation tests, this durable, compact and easy-to-use tool fits in the palm of your hand. You can rely on it to handle the most common tests and additional functions, such as a remote probe, reduces the time it takes to perform repetitive tests. Features a rugged, compact insulation resistance tester for residential and commercial electricians Performs insulation tests from 0.01 to 2000 MH offers two insulation voltage tests: 500 and 1000 V Includes Live Detection Chain to Prevent Isolation Test, If voltage of the 30 V detected Resistance measures from 0.01 to 2000 k Ω Measures ac/DC voltage from 0.1 to 600 V Includes automatic discharge of capacitive voltage for additional user protection Provides lo-ohms earth-connection continuity (200 mA) Simplifies repetitive or difficult to test Remote Probe Test Saves Battery Charge With Automatic Energy From Presents Results on Large, Backlit Display Features CAT IV 600 V overvoltage category rating runs on 4 x AA alkaline batteries (NEDA 15 A or IEC LR6) at least 1000 insulation tests Save battery charge with automatic power off Troubleshooting Apps Preventive Maintenance 6 Tips for Effective Isolation Testing 1 Disable Any Electronic Devices such as motor drives, PLC, transmitters, etc. before performing insulation tests. Electronics can be damaged by applying a higher-than-normal voltage. 2 It is necessary to take into account the influence of temperature - it is recommended to conduct at a standard conductor temperature of 20 degrees Celsius (68 degrees Fahrenheit) or set a temperature baseline when compensating for future readings using a DMM using a probe or infrared thermometer. 3 Choose a test voltage suitable for the insulation being tested. The aim is to emphasize, emphasize, но не переутомить его. Если вы сомневаетесь, используйте более низкое испытательное напряжение. Это, как правило, целесообразно проверить изоляцию в два раза напряжение он обычно видит: например, 460 V до 600 V рейтинг оборудования часто тестируется на 1000 V. 4 При использовании изоляционного тестера, оставив провод подключен при остановке теста. Изоляционный испытатель может разрядить любое остаточное испытательное напряжение. 5 Проводники, которые находятся близко друг к другу, имеют нормальную емкость. Это приведет к изоляционной устойчивости чтения, чтобы начать низко и неуклонно расти, пока не стабилизируется. Этот тип увеличения является нормальным, но если чтение скачки просто вниз и снова это указывает дуги. 6 Хотя ток плотно ограничен, изоляционный испытатель может генерировать искры и незначительные, но болезненные ожоги. Неожиданный сюрприз может привести к тому, что оператор отосащется. Как всегда, работайте вдали от живых систем и используйте безопасные методы работы при работе накладных расходов. Insulation Resistance Testing Solutions AC/DC Voltage Measurement Accuracy Range: 600 V Resolution: 0.1 V 50 to 400 Hz \pm (% of Rdg + Digits): \pm (2% + 3) Input Impedance 3 M Ω (nominal), Common Mode Rejection Ratio (1 k Ω unbalanced) < 60 dB at DC, 50 or 60 Hz Overload Protection 600 V rms or DC Earth Bond Resistance Measurement Range/Resolution 20 Ω 0.01 Ω 200 Ω 0.1 Ω 20k Ω 0.01 k Ω Accuracy \pm (1.5% + 3) Overload Protection 2 V rms or DC Open Circuit Test Voltage < 4 V. Short Circuit Current < 200 mA Insulation Specifications Measurement Range 0.01 to 2000 M Ω Test Voltage 500 V, 1000 V Test Voltage Accuracy +20%, -0% Short Circuit Current 1 mA nominal Auto Discharge Discharge time Live Circuit Indicator Inhibit test if terminal voltage < 30 V prior to initialization of test Maximum Capacitive Load Operable with up to 1 μ F load Measure Accuracy 500 V: \pm (1.5% + 5) 1000 V: \pm (1.5% + 5) to 2000 M Ω , \pm (10% + 3) above 2000 M Ω Click here for complete specifications on the Fluke 1503 What's included with the Fluke 1503 Insulation Resistance Tester Remote Probe Test Leads Test Probes Alligator Clips User Documentation One Year Warranty Two in one tools Stand-alone tools Insulation test features 1587 FC 1577 1503 1507 1550C 1555 Test voltages 50 V, 100 V, 250 V, 500 V, 1000 V 500 V, 1000 V 500 V, 1000 V 50 V, 100 V, 250 V, 500 V, 1000 V 250 V to 5000 V 250 V to 10,000 V Insulation resistance range 0.01 M Ω to 2 G Ω 0.01 M Ω to 10 G Ω 0.01 M Ω to 2000 G Ω 0.01 M Ω to 10 G Ω 250 k Ω to 1 T Ω 250 k Ω to 2 T Ω P/DAR Auto discharge Timed ramp test (Breakdown) Pass/fail comparison Est. # of IRT tests 1000 1000 2000 2000 Various Various Voltage < 30 V warning Memory C Fluke Connect App Дистанционное испытание зонда Lo ohms/earth-bond непрерывности 200 mA источник (разрешение 10 м) 200 mA источник (разрешение 10 м) Дисплей Цифровой LCD Цифровой LCD / аналоговый дисплей Цифровой LCD / аналоговый дисплей Hold/lock AC/DC volts Note: Not all product features and specifications are listed in this table. For more information, you can get separate sheets of product data. Footnotes: 1. The function is useful for checking engine connections and windings. It is also useful for users who are required to take measurements of land continuity and communication during installation testing. Filter to measure engine drive at variable speed. Current Resistance Continuity Beeper Temperature (contact) Lo-pass filter 2 Condensation Diode test Frequency MIN/MAX Other features Backlight Software Fluke Connect Compatible FlukeView® Forms Basic Fluke View® Forms Basic Battery 4 AA (NEDA 15A or IEC LR LR 6) 4 AA (NEDA 15A or IEC LR6) 4 AA (NEDA 15A or IEC LR6) Rechargeable Read more about insulation testing fluke 1503 insulation tester manual pdf. fluke 1503 insulation tester pdf. fluke 1503 insulation tester review. fluke 1503 insulation tester ebay. fluke 1503 insulation tester precio. how to use fluke 1503 insulation tester. fluke 1503 digital insulation resistance tester. digital insulation tester fluke 1503

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