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Megger fluke 1507 manual

(Images may not reflect the selected model) Durable, compact advanced insulation resistance tester for electrical contractors and industrial and commercial electriciansA automatically calculates the Polarization Index and Dielectric Absorption RatioMakes repetitive tests simple and simple with the Function Comparison (Pass / Fail) Offers several test insulation voltages: 50 V, The 100 V, 250 V, 500 V and 1000 V The Fluke 1507 is a versatile, compact, portable thermal insulation tester for advanced industrial and electrical insulation tests. Its multiple test voltages make it an ideal tool for many troubleshooting, commissioning and preventive maintenance programs. Use the full 1507 function installed for easy and fast implementation of advanced insulation resistance tests. Its comfortable size and light weight make it easy to pack and use. Additional features, such as remote sensing, save both time and money, especially when performing repeated tests. And its reasonable price and durable reliability make it an excellent value. Other useful features:Performs thermal insulation tests from 0.01 M Ω to 2.0 G Ω MS Disable live circuit detection to prevent insulation test, if voltage is detected >30 V and resistance from 0.01 Ω to 20.00 k Ω Provides lo-ohms ground-communication continuity (200 mA)Simplifies repeated or difficult achievable testing with remote test probeSaving battery charge with automatic power outagePresidential results on a large, large, large highlighted displayFetature CAT IV 600 V category overvoltageComputers with remote probe, test potential customers, test probes, alligator clamps and annual warrantySaving the additional fluke TPAK magnetic suspension system to free hands for other worksRuns on four alkaline AA batteries (NEDA 15 A or IEC LR6) for at least 1,000 insulation testsUsing resources and durable tools for Solar professionals AC/DC voltage measurementAccuracyRange600.0 VResolution0.1 V50 Hz to 400 Hz \pm (% rdg + digits) \pm (2% + 3)Input impedance3 M Ω (nominal) , < 100 pFCommon mode rejection ratio (1 k Ω unbalanced):> 60 dB at DC, 50 or 60 HzOverload protection600 V rms or DCEarth Bond Resistance MeasurementRange/Resolution20.00 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 protection2 V rms or DCOpen circuit test voltage> 4.0 V , < 8 VShort circuit current> 200.0 mAInsulation SpecificationsMeasurement range0.01 M Ω to 10 G Ω Test voltage50 V, 100 V, 250 V, 500 V, 1000 VTest voltage accuracy+ 20%, - 0%Short circuit current1 mA nominalAuto dischargeDischarge time < 0.5 second for C = 1 μ F or lessLive circuit indicatorInhibit test if terminal voltage > 30 V prior to initialization of testMaximum capacitive loadOperable with up to 1 μ F loadMeasure accuracy50 V \pm (3% + 5)100 V \pm (3% + 5)250 + 5)500 V \pm (1.5% + 5)1000 V \pm (1.5% + 5) to 2000 M Ω \pm (10% + 3) above 2000 M Ω General SpecificationsMaximum voltage applied to any terminal-600 V AC rms or DCStorage temperature-40°C to 60°C, 60°C to 140°F)Operating temperature-20°C to 55°C (-4°F to 131°F)Temperature coefficient0.05 x (specified accuracy) per °C for temperatures < 18°C or > 28°C (< 64°F or > 82°F)Relative humidity0% to 95% @ 10°C to 30°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)VibrationRandom, 2 g, 5-500 Hz per MIL-PRF-28800F, Class 2 instrumentsShock1 meter drop per IEC 61010-1 2nd Edition (1 meter drop test, six sides, oak floor)Electromagnetic compatibilityIn an RF field of 3 V/M, accuracy = specified accuracy (EN 61326-1:1997)SafetyComplies with ANSI/ISA 82.02.01 (61010-1) 2004 , CAN/CSA-C22.2 NO. 61010-1-04, and IEC/EN 61010-1 2nd Edition for measurement category IV 600 V (CAT IV)CertificationsCSA per standard CSA/CAN C22.2 No. 61010.1-04; TUV on standard batteries IEC/EN 61010-1 2nd EditionBatteriesFour AA (NEDA 15A or IEC LR6)Battery lifeAdditive version of use:Tester can perform at least 1000 insulation tests with fresh alkaline batteries at room temperature. These are standard tests of 1000 V in 1 M Ω with a cycle of duty of 5 seconds and 25 seconds. Resistance measurement:Tester can perform at least 2500 measurements of resistance to earthy bonds with fresh alkaline batteries at room temperature. These are standard 1 Ω with a duty cycle of 5 seconds and 25 seconds. Size (H x W x L)5.0 x 10.0 x 20.3 cm (1.97 x 3.94 x 8.00 inches)Weight550 g (1.2 lb)PIP40AltitudeOperating2000 m CAT IV 600 V, 3000 m CAT III 600 VNeoking (storage)12000 mV range110% range Included accessoriesTL224 Test drives, test probes TP74, clips PN 1958654 (red) and PN 1958646 (black), holster and remote probe Fluke 1507 Insulation Resistance Tester Insulation: Remote probeThen leads best probeAlligator clipsUser documentationFluke 1507 Insulation Resistance tester, with traceable calibration certificate with data from FlukeIncludes:Remote probeTest leads the most significant probesUser documentationUserSciuated calibration certificate with data fluke Rated 5 of 5 from Hector 76 from Excellent Counter Very good counter. I bought this counter last month and a great meter, but I do not know why the scale of the volt shows 0.2 VDC.it should show 0.0 VDC. Rated 5 out of 5 by Electrician 88 by Excellent Tester! I've owned 1,507 for over 10 years. If I ever had to replace it, I would get another 1,507 in a heartbeat. This is better than manual merging. Rated 3 out of 5, learning C from Explain how Use dislikes my T-1000 or V87, it's different to use. The guide didn't really explain, Oms???? Rated 5 out of 5 main of the 1507 Megger I've had this tester for a while now and it's accomplished great. Very pleased with her and the accessories from which he came. Can't beat performance by price. Rated 5 out of 5 maxarmor from insulation resistance plus more This thermal insulation tester can do a test at multiple test voltages. It can also measure volts and oms for Tests. It can measure a small resistance to resistance as during the test of ground continuity or testing of ground links. There's no crayon on my old tester. I'm very happy with this tester. Rated 5 out of 5 by dperkrah by Fluke as usual! Of course, glad I bought this product. Was an invaluable tool once I got it! Rated 5 out of 5 by Twinson by Great Tool Great Tester! We use it to test wiring after flood or fire damage. Very useful tool. An easy to use and larger display make this a great tester. Rated 5 out of 5 by wood1500 from Easy to Use I bought this to replace the old device, This one is easy to use. Test button on lead is very convenient Ideal for advanced industrial and electrical insulation tests, this thermal insulation tester comes in a compact design and has versatility. In addition, several test voltages facilitate the operation of the tool for many programs for troubleshooting, commissioning and preventive maintenance. Use the full function installed for easy and fast execution of advanced insulation resistance tests. Its comfortable size and easy to make it easy to pack and use. Additional features, such as remote sensing, save both time and money, especially when performing repeated tests. Features Durable, compact advanced insulation resistance tester for electrical contractors and industrial and commercial electricians Automatically calculates polarization index and dielectric absorption coefficient Makes repeated tests simple and easy with comparison function (passage/failure) Offers several test insulation voltages: 50, 100, 250, 500 and 1000 V Performs thermal insulation tests from 0.01 M Ω to 2.0 Includes detection of a live circuit to prevent insulation test if voltage is detected >30 V includes automatic discharge of capacitive voltage for additional user protection AC / DC voltage from 0.1 to 600 V and resistance from 0.01 Ω to 20.00 k Ω Ensures continuity of lo-om land-communication (200 mA) Simplifies repeated or difficult-to-reach tests using remote test probe Saves battery power with automatic power off Presents results on a large , backlight display Features CAT IV 600 V over voltage category rating Running on four alkaline AA batteries (NEDA 15 A or IEC LR6) for at least 1000 insulation tests 6 Tips for effective insulation testing 1 Disable any electronic devices such as motor drives, PLC, transmitters, etc. before performing insulation. Electronics can be damaged by applying higher than normal voltage. 2 Temperature exposure should be taken into account - tests are recommended at a standard conductor temperature of 20 °C (68 °F) or set the temperature baseline when compensatory for future readings using AMM with a probe or infrared 3 Select the test voltage suitable for the testable insulation. The goal is to emphasize isolation, but not to over-emphasize it. If in doubt, use a lower voltage test. It is usually advisable to test insulation at twice the voltage that is usually seen: for example, from 460 V to 600 V nominal equipment equipment Often test for 1000 V. 4 When using a thermal insulation tester, leave the testant connected when stopping. The thermal insulation tester can discharge any residual-test voltage. 5 Leaders close to each other have a normal capacity. This will cause the insulation resistance reading to start low and steadily increase until it stabilizes. This type of increase is normal, but if reading jumps violently down and up again it indicates an arc. Although the current is tightly limited, the thermal insulation tester can generate sparks and minor but painful burns. An unexpected surprise can cause the operator. As always, work away from living systems and use safe working practices when working overhead. Solutions for testing insulation resistance

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