



Portable appliance tester, Type: 6200



Order data

Order number	473094 6200
GTIN	095969666787
Item class	47H

Description

Version:

Fluke 6200-2 portable appliance tester Perform more tests each day The Fluke 6200-2 appliance tester is a lightweight, compact, one-touch solution with redesigned auto-test capabilities to help you complete more portable appliance tests each day. The 6200-2 appliance tester enables you to take measurements faster without compromising safety – yours or your customer's. One-touch solution ... Each of the pre-set test routines is called up by pressing a single button. This is much easier than using menus or selecting multiple functions and facilitates a faster, more efficient way of working. Low weight ... Weighing 3 kg, the 6200-2 portable appliance tester is extremely compact and easy to carry when working out in the field. The hard, rugged carrying case (supplied) not only offers protection during transit but also provides space for accessories and other appliances. Small size ... Like all Fluke appliances, this portable appliance tester is robust and designed for use out in the field. Packed with all the features you need for testing portable appliances, a Fluke portable appliance tester is a complete all-in-one solution.

Description:

Simplify measurements on portable appliances with Fluke appliance testers One-button operation: each test function is started via a dedicated button Complies with the new standards DIN EN 50678 (VDE 0701) and DIN EN 50699 (VDE 0702) Pre-set pass/fail levels save time Large backlit display to easily read off the data Single mains socket for connecting appliances Separate IEC socket to easily test low-power mains cables Detachable test leads for quick replacement in the field Integral carrying handle

Feature:

Power-on test The test indicates reversed conductors and missing protective conductors and measures the mains voltage and mains frequency. Display range: 90 V to 264 V Inaccuracy at 50 Hz: $\pm (2\% + 3 \text{ digits})$ Resolution: 0.1 V Input impedance: $>1 \text{ M}\Omega // 2.2 \text{ nF}$ Maximum mains input voltage: 264 V Earthing test (Rpe) Display range: 0 to 19.99 Ω Inaccuracy (after conductor test zeroing): $\pm (2.5\% + 4 \text{ digits})$ Resolution: 0.01 Ω Test current: 200 mA AC -0% +40% into 1.99 Ω ; 10 A AC $\pm 20\%$ into 25 m Ω at 230 V Open circuit voltage: $>4 \text{ V}$, $<24 \text{ V}$ (AC) Test lead compensation: max. up to 1.99 Ω Insulation test (Riso) Display range: 0 to 299 M Ω Inaccuracy: $\pm (5\% + 2 \text{ digits})$ from 0.1 to 300 M Ω Resolution: 0.01 M Ω (0 to 19.99 M Ω); 0.1 M Ω (20 to 199.9 M Ω); 1 M Ω (200 to 299 M Ω) Test voltage: 500 V DC -0% + 10% at 500 k Ω load Test current: $>1 \text{ mA}$ at 500 k Ω load, $<15 \text{ mA}$ at 0 Ω Automatic discharge time: $<0.5 \text{ s}$ for 1 μF Max. capacitive load: operational up to 1 μF Measurement of the contact current (IB) Display range: 0 to 1.99 mA AC Inaccuracy: $\pm (4\% + 2 \text{ digits})$ Resolution: 0.01 mA Internal resistance (via probe): 2 k Ω Measurement method: probe (the appliance under test is supplied with mains voltage during the test) Measurement of the substitute leakage current (IEA) Display range: 0 to 19.99 mA AC Inaccuracy: $\pm (2.5\% + 3 \text{ digits})$ Resolution: 0.01 mA Test voltage: 100 V AC $\pm 20\%$ Load/differential current measurement: load current Display range: 0 A to 16 A Inaccuracy: $\pm (4\% + 2 \text{ digits})$ Resolution: 0.1 A Load/differential current measurement: power Display range – 230 V mains voltage: 0 VA to 3.7 kVA Inaccuracy: $\pm (5\% + 3 \text{ digits})$ Resolution: 1 VA (0 to 999 VA), 0.1 kVA ($>1.0 \text{ kVA}$) Load/differential current measurement: protective conductor current Display range: 0 to 19.99 mA Inaccuracy: $\pm (4\% + 4 \text{ digits})$ Resolution: 0.01 mA PELV test Inaccuracy at 50 Hz: $\pm (2\% + 3 \text{ digits})$ Overload protection: 300 V rms Warning threshold: 25 V rms Environmental data Operating temperature: 0 to 40°C Relative humidity: non-condensing $< 10^\circ\text{C}$; 95% from 10 to 30°C; 75% from 30 to 40°C Safety specifications Specification: complies with EN 61010-1, 3rd edition; CAT II, 300 V, pollution degree 2; DIN VDE 0404-1 and DIN VDE 0404-2; DIN VDE 0413/EN 61557 Parts 1, 2, 4, 6, 10; CAT II, 300 V, pollution degree 2 Mechanical and general data Dimensions (LxWxH): 200x275x114 mm Weight: 3.13 kg Sealing: IP40 (housing); IP20 (plug connector) EMC: complies with EN 61326-1, portable EMI immunity: 3 V/m

Specification:

The accuracy specification for the display range is defined as $\pm (\% \text{ of reading} + \text{digits})$ at 23°C $\pm 5^\circ\text{C}$, $\leq 75\% \text{ rel.}$ Between 0°C and 18°C and between 28°C and 40°C, the inaccuracy values may deteriorate by 0.1 x (inaccuracy specification) per °C. The accuracies for the measurement ranges are specified in accordance with the standards EN 61557-1: 1997, EN 61557-2: 1997, EN 61557#4: 1997, EN 61557-6: 1997, DIN VDE 0404-2.

Supplied with:

Fluke 6200-2 portable appliance tester Quick guide Hard carrying case Test prod Measurement tip Crocodile clip Mains cable

Technical description

Power supply	Mains-powered
Type of product	Multimeter

