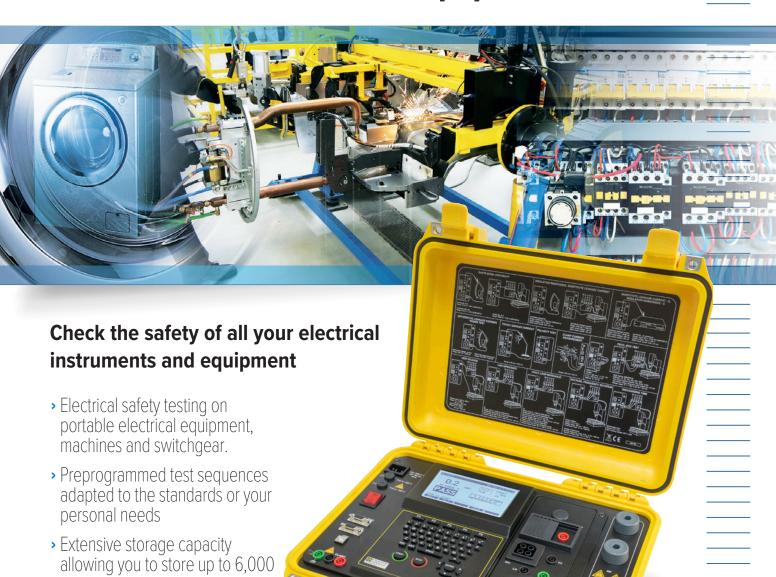


C.A 6155

Multi-function equipment tester



 Delivered with data processing and report generation software as standard

measurements

 Large backlit graphic screen with an intuitive user interface and contextual help for each function

 Built-in keyboard for quick and easy customization of the measurements recorded











C.A 6155 Multi-function equipment tester



All the measurements and tests required for compliance verification are available:

- > 200 mA and 10 A continuity measurements
- Insulation resistance at 250 VDC and 500 VDC
- Leakage current measurement by the substitution method
- > RCD leakage current
- Contact leakage current
- Mains power cable polarity test
- Measurement of TRMS leakage and load currents (current clamp available as an option)
- > RCD test (including portable RCDs)
- Functional test with consumption measurement
- Loop impedance and line impedance with calculation of short-circuit currents
- Discharge time
- Dielectric test
- Phase rotation
- Voltage / frequency measurements
- > Functional and visual inspection

The C.A 6155 multi-function electrical equipment tester can be used for all the measurements needed to check the electrical safety of all portable electrical devices, machines and switchboards

He is therefore ideal for electrical equipment safety testing and certification in the context of compliance verification, periodic checking or maintenance

It will be particularly useful for:

- Electrical instrument and equipment manufacturers seeking to check their compliance («CE» marking)
- Industrial maintenance companies needing to check the compliance of equipment in a fleet or on an installation
- After-sales service companies repairing and checking the compliance of instruments or equipment presenting anomalies
- > Certification organizations for periodic verifications
- > Technical education.

The measurements are divided into four sections, depending on the standard applied:

- Tests on portable electrical appliances as per the VDE 0701/0702 standard
- Tests on machines as per the IEC / EN 60204 Ed. 5 standard
- Switchgear tests as per the IEC / EN 60439 standard and the latest edition: IEC 61439
- Miscellaneous tests: with its vast range of functions, the C.A 6155 is also ideal for safety tests in accordance with the standards for many other products.



The analysis part is made much simpler by the PC software delivered as standard, which lets you:

- Download the test results onto a PC to archive them in a database and generate a report
- Upload results from a PC onto the instrument so that you can track any changes in the measurements since the last test, directly on site.



- > 1. 240x128 matrice graphic screen,
- > 2. Mains power socket,
- 3. Two T16A / 250V fuses to protect the C.A 6155.
- > 4. On / Off switch with built-in LED.
- 5. Connector for barcode reader / printer (option).
- > 6. Connector for PC / printer (option).
- > 7. USB connector.
- > 8. Input terminals for current clamps.
- 9. Function keys to display the options defined.
- > 10. ESCAPE key.
- > 11. START key.
- > 12. STOP key.
- > 13. Alphanumeric keyboard.
- > 14. Cursor keys and ENTER key.
- > 15. Test socket (230 V).
- > 16. LN and PE sockets for measuring insulation and leakage current by the substitution method
- > 17. TP1 test socket for measuring the line impedance, loop impedance, residual current devices (RCDs), phase order and discharge time.
- > 18. C2 connector for continuity tests (machines, low-voltage equipment and other applications).
- 19. LED indicating that the HV outputs are active.
- > 20. Output connectors for HV test.
- > 21. Test probe connector (S/ C1) for measuring protective conductor resistance / continuity and probe input for Class 2 equipment tests.
- 22. Protective cover to prevent simultaneous access to the IEC (23) and S/ C1 (21) connectors.
- 23. IEC connector for testing mains power cables.

Dielectric testing

0.00 mA to 24.9 A

10, 15, 30 mA $0,5xI\Delta n$, $I\Delta n$, $5xI\Delta n$

Automatic PRCD test

Test voltage	1000 V / 1890 V / 2200 V
I limit	0,1 à 100 mA (1890 V / 2200 V) 0,1 à 200 mA (1000 V)
Imax of HV/Power source	200 VA
Timer	2, 3, 5, 10, 30, 60 s
Insulation resistance measurement	
Utest	250 / 500 VDC
Range	Fino a 200 MΩ
Timer	5, 10, 30, 60, 120 s
Continuity testing	
Range	0,01 à 1,99 Ω
I test	0,20 / 10 A
U test	< 9 V
Timer	5, 10, 30, 60, 120, 180 s
Leakage current measurement	
Substitution method	0,00 to 19.99 mA
Differential method	0,00 to 9.99 mA
Accuracy	± (5 % of reading + 5 cts)
Contact leakage current measurement	
Measurement range	0,00-2,50 mA
Accuracy	± (10% of reading + 5 cts)
Timer	2, 3, 5, 10, 30, 60, 120 s
60 V discharge time measurement	
Voltage range (peak value)	0 to 550 V
Time range	1 s, 5 s
Functional test	
Apparent power	0.00 to 4.00 kVA
Power-cable polarity test	
	YES



OTHER SPECIFICATIONS	
RS 232	1 connection for barcode / RFID reader + 1 connection for printer / PC
USB/B	1 printer / PC connection
Alarms	Yes for all functions
Storage	6,000 memory locations
Software	Yes, delivered as standard
POWER SUPPLY	115 V - 230 V / 50-60 Hz
FUNCTIONAL STANDARDS	VDE 701 702 / IEC 60204 / IEC 61439
STANDARDS	IEC 61010-1 / IEC 61557 (parts 1, 2, 3, 4, 6, 7)
ELECTRICAL SAFETY	Cat II / 300 V
DIMENSIONS / WEIGHT	33.5 cm × 16.0 cm × 33.5 cm - 8.4 kg

Current measurement with clamp

PRCD testing Calibre

Test current

Other

· C.A 6155

- 2 high-voltage test cables (2 m)
- 1 high-voltage test probe (red)
- 1 high-voltage crocodile clip (red)
- 1 plug-in test cable 1.5 m long
- 1 test cable with three separate leads 3 m long
- 1 test lead (green, 1.5 m)
- 1 test lead (black, 1.5 m)
- 1 test lead (red, 1.5 m)
- 1 test lead (red, 4 m)
- 1 test probe (blue)

- 1 test probe (green)
- 1 test probe (black)
- 1 test probe (red)
- 3 crocodile clips (black)
- PC software on CD-ROM with RS232 and USB cable
- 1 multilingual user's manual on CD-ROM
- 1 multilingual safety datasheet
- 1 specimen measurement report

YOUR DISTRIBUTOR

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