

OTHER PRODUCTS FROM CHAUVIN ARNOUX® GROUP

Multi-Function Installation Tester

Special
product
features



Model C.A 6116

Combines smart design, ergonomics, simplicity, rapid measurement and accuracy

► SPECIFICATIONS

MODEL	C.A 6116
TECHNICAL	
Insulation	
Rated Voltage	50/100/250/500/1000Vdc
Range/Resolution/Accuracy	0.01 to 2GΩ/1kΩ to 1MΩ/±(5% of measurement + 3cts)
Ground Resistance	
Range/Resolution/Accuracy (3-Point Testing)	0.50 to 4kΩ/0.01Ω to 1Ω/±(2% of measurement + 2cts)
Others	Auxiliary rod resistance measurement (up to 40kΩ)
Installation Voltage/Frequency (with power on)	90 to 550V/15.3 to 17.5Hz - 45 to 65Hz
High-Current Mode with Tripping (1-Point Testing)	
Test current: 5A	
Range/Resolution/Accuracy	0.10Ω to 3.999Ω/0.01 to 1Ω/±(5% of measurement + 2cts)
Mode without Tripping	Test current: 6mA – 9mA – 12mA (by default)
Test Current	6mA – 9mA – 12mA (by default)
Range/Resolution/Accuracy	0.20Ω to 3.999Ω/0.01 to 1Ω/±(5% of measurement + 3cts)
1-Point Selective Ground Testing	
Range/Resolution/Accuracy	0.20Ω to 3.999Ω/0.01 to 1Ω/±(10% of measurement + 10cts)
RCDs/GFCIs	
Installation Voltage/Frequency	90V to 550V/15.3Hz to 17.5Hz/45Hz to 65Hz
IΔn	10/30/100/300/500/650/1000mA or variable - Test in step and pulse modes
No-Trip Test	at ½IΔn – Duration: 1000ms or 2000ms
Tripping Time Measurement	at ½IΔn/2IΔn (selective)/5IΔn
Step Mode	0.3IΔn to 1.06IΔn in steps of 3.3% IΔn
Continuity	
Test Voltage/I Rated	9.5Vdc/I > 200mA up to 39.99Ω and 12mA up to 399.9kΩ with buzzer
Range/Resolution/Accuracy	0Ω to 399.9kΩ/0.01 to 100Ω/±(1.5% of measurement + 2cts)
Loop Impedance (Zi and Zs)	
High-Current Mode with Tripping	Test current: 5A
Range/Resolution/Accuracy	0.1 to 4000Ω/0.01 to 1Ω/±(10% of measurement + 5cts)
NO TRIP Mode (Zs only)	Test current: 6mA – 9mA – 12mA (by default)
Range/Resolution/Accuracy	0.2 to 4000Ω/0.01 to 1Ω/±(10% of measurement + 5cts)
Calculation of Short-Circuit Current	0.1A to 40kA
Other	Measurement of the resistive and inductive components of the impedances Zs and Zi
Current	
	5mA to 19.99A (MN77 clamp)/5mA to 19.99A (C177 clamp)/20mA to 200A (C177A clamp). Current measurement from 1mA available with MN77 & C177 by connecting voltage on the product
Voltage	
	0 to 550Vac/bc
Frequency	
	DC/15.3 to 500Hz
Active Power	
	0 to 110kW single-phase - 0 to 330kW three-phase; Simultaneous display of voltage and current waveforms
Harmonics	
	Voltage and current harmonics/0 to 50 th /THD
Phase Rotation	
	20 to 550Vac
Safety Ratings	
	IEC 61557/IEC 61010, 600V CAT III
GENERAL	
Display	
	Large 5.7" backlit graphic screen, 320 x 240 counts
Communication	
	Via USB for data transfer and report creation
Power Supply	
	Rechargeable battery
Dimensions & Weight	
	11.02 x 7.48 x 5.04" (280 x 190 x 128mm) 5.29 lbs (2.4kg)

► FEATURES

- Installation testing according to the international standards (IEC 60364-6, NF C 15-100, VDE 100, XP C 16-600, etc.)
- Fast operation and simple access to measurement functions and results
- User-friendly with its large 5.7" backlit graphic screen
- Excellent measurement stability, especially in industrial environments that are affected by disturbances
- Simple, reliable connections
- Onscreen contextual help for each function
- Suitable for all types of neutral systems
- Customized, hierarchical storage of measurement results
- Safety rating 600V CAT III



► PRODUCT INCLUDES

USB cable, three-pin/line voltage lead, three-pin lead/3 safety leads, 3 test probes (Ø 4mm), 3 alligator clips, 2 straight/right angle safety leads (3m), remote-control probe, line voltage power pack, DataView® software, 5 safety connectors wrist strap, 4-point strap for extra comfort, carrying bag and operating manuals (multi-lingual)

CATALOG NO.

DESCRIPTION

2138.01

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Technical Assistance (800) 343-1391

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