

C.A 6131 - C.A 6133

Electrical installation testers



Test the electrical safety of your installations



- Continuity measurement at 0.2A
- Insulation testing
- RCD testing: current and trip time
- Automatic test sequences
- Storage of test results
- ANDROID application for report generation
- Power supply by mains-rechargeable batteries, USB socket or vehicle cigarette lighter

















LOOP



TEST

C.A 6133



ELECTRICAL INSTALLATION TESTERS

ERGONOMICS AND FUNCTIONS

Designed for checking safety on electrical installations, the C.A 6131 and C.A 6133 can be used to test a new installation before powering it up, check an existing installation, whether in operation or not, and to troubleshoot a dysfunction.

For inspection organizations, these portable instruments are simple, effective and, above all, compliant with the applicable standards.



3 voltage inputs including one for the remote-control probe.

A specific 4-point socket for the MN73A current clamp (option).



Magnetized casing for magne-

Buzzer activation/deactivation.

Cable compensation.

Activation of backlighting/ tic mounting.

Bluetooth activation.



Rereading/deletion of

recorded measurements.

Loop



Neck strap for hands-free use.



Built-in stand for benchtop use..



Charging via universal USB connections!

Functions

measurements.

Direct access to the



Compliant with the IEC 61557-4 standard. If the buzzer is active,

users are informed by a beep if

the measurement is below the

threshold, so they do not have

to look at the screen.



Backlit LCD

Earth

display.



TEST button.



Insulation

Navigation keys.



Continuity

This function allows you to
measure an earthy resistance
using the stake méthod whe
the electrical installation to b
tested is not powered up (ne

installation, for examplė). It

only available on the C.A 6133.

med in Trip or No Trip mode.
On a TN or TT installation, loop impedance measurement can be used to size the protective systems for the installation (tuses or RCDs), particularly in terms of breaking capacity. On a TT installation, this measurement serves to determine the value of the earth resistance without setting up any stakes

and without having to power down the installation.

Loop measurement is perfor-

The user selects the test voltage and chooses the set of alarm thresholds. A visual indication instantaneously shows whether the test is OK or not: if the measurement is higher than the threshold, the V LED lights up. If the measurement is lower than the threshold, the X LED lights up.

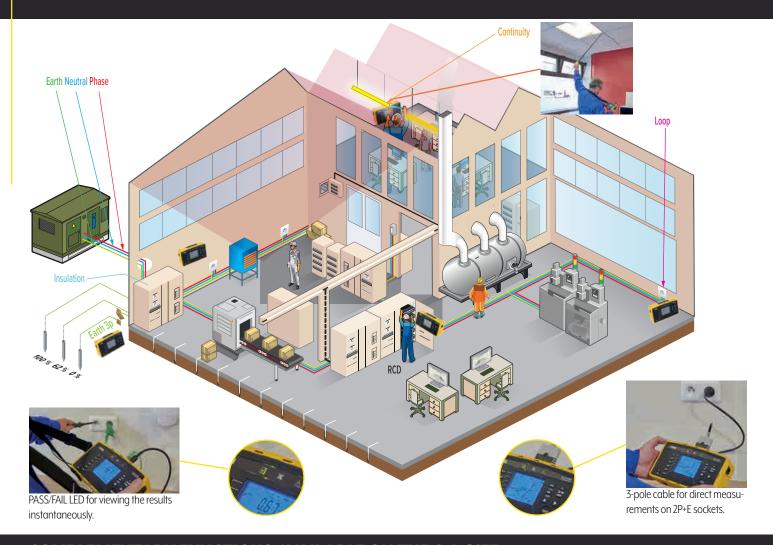
The comprehensive RCD test can be used with type A and AC RCDs. 3 types of test are available:

- No Trip test,

RCD

Trip test in pulse mode, Trip test in ramp mode.

CHECK THE COMPLIANCE OF ELECTRICAL INSTALLATIONS WITH A SINGLE INSTRUMENT



COMPLEMENTARY FUNCTIONS AVAILABLE ON THE C.A 6133

Automatic test sequence

Save time! The AUTO-RCD automatic test sequence performs the following operations:

- the No-Trip test, the Trip test at 1 x I $\!\Delta n$ and the Trip test at 5 x I $\!\Delta n$,
- if necessary, the Trip test in ramp mode. A single press on the backup buttons saves all the tests performed.

Another automatic test sequence is also available which performs the following tests, successively:

LOOP - RCD - INSULATION



Current measurement

The MN73A clamp is recognized automatically when it is connected, as is the measurement calibre.



Data storage



The data storage function can be used to store your measurement results: up to 99 tests per site on up to 30 sites!

Bluetooth communication for Android IT-Report application

The ANDROID IT-Report application can be used to transfer the test results stored in the C.A 6133 onto a tablet or smartphone via Bluetooth. Test reports are then generated and sent automatically by email or simply stored for processing later on.











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		Technical Specifications				
		C.A 6131	C.A 6133			
Continuity						
	Range / Resolution / Accuracy $0.00 \text{ to } 9.99 \Omega - \text{Compensation of cables up to } 5 \Omega; \text{I} \geqslant 200 \text{mA} / 0.01 \Omega / \pm (2 \% \text{R*} + 2 \text{cts})$					
Resistance		1 to 9,999 Ω — 10.00 to 99.99 kΩ / 1 Ω — 10 Ω / ± (1 % R + 5 cts)				
	Range / Resolution / Accuracy					
Insulation						
	Test voltage	250 V / 500 V	250 V/500 V/1 000 V			
	Range / Resolution / Accuracy	0.01 to 999.9 MΩ /	/ 10 kΩ or 100 kΩ / ± (3 %	R+3cts)		
Earth resistanc			0.50 . 00.00 0	1000.00000	1000 . 00000	
	Range	-	0.50 to 99.99 Ω	100.0 to 999.9 Ω	1,000 to 2,000 Ω	
	Resolution	·	0.01 Ω	0.1Ω	1Ω	
Accuracy		·	±(2 % R + 10 cts)	±(2 % R + 5 cts)	±(2 % R + 5 cts)	
F	Measurement frequency	-		128 Hz		
Earth loop (Zs)	measurement					
No Trip (12 mA)	Pango / Posolution / Acquires	1+-10.0 20+-70.0 40+-2.000.0)/10/±(2 etc) ./1F 0/	D+3 (ctc) + (E 0/ D , 2 -4-)		
Range / Resolution / Accuracy Calculation of Ik		1 to 19 Ω − 20 to 39 Ω − 40 to 2,000 Ω / 1 Ω / ± (2 cts) − ±(15 % R + 3 < cts) − ± (5 % R + 2 cts) 1 to 999 A				
With Trip (300 m			1 10 333 M			
Range / Resolution / Accuracy		0.1 to 0.9 Ω – 1.0 to 399.9 Ω / 0.1 Ω / \pm (2 cts) – \pm (5 % R + 2 cts)				
	Calculation of Ik	1 to 9,999 A				
Fault loop (Zi) r			110 3,333 A			
1 dai: 100p (21) 1	Type of connection		Banana cables			
	Range / Resolution / Accuracy	300 mA measurement current: 0.1 to $0.9 \Omega - 1.0$ to $399.9 \Omega / 0.1 \Omega / \pm (2 cts) - \pm (5\% R + 2 cts)$				
	Calculation of Ik	1 to 9,999 A				
RCD test						
	Installation voltage	90 to 450 V; 45 to 65 Hz				
	Types and calibres	AC and A; 30 mA - 100 mA - 500 mA - 650 mA				
	Trip time	0.5 x I ΔN; 1 x I ΔN; 5 x I ΔN / 5.0 to 300 ms				
	Trip current	30 mA: 0 +(7%R +3.3% I ΔN + 2 mA)				
Fault vol	Itage: Range / Resolution / Accuracy	1.0 to 25.0 V − 25.0 to 70.0 V / 0.1 V / ± (15% R + 3 cts) − ± (5% R + 2 cts)				
	Automatic test sequences	No		RCD, Loop-RCD-Insul	ation	
Voltage & Freque	·					
Voltage: Range / Resolution / Accuracy		2.0 to 550.0 VAC - 0.1	0.0 to 800.0 VDC / 0.1 V / ± (1%R+2cts)			
	uency: Range / Resolution / Accuracy	- 30.0 to 999.9 Hz / 0.1 Hz / ±(0.1 % R + 1 ct) - Voltage > 2V				
	Phase rotation	45 to 550 V — 45 to 65 Hz				
Current						
		Via clamp with voltage output using the voltage sensor function (AUX)	Via MN73A clam	p with 2A calibre: 10.0 mA to 2,40	0 mA, 200 A calibre: 1.00 to 200 A	
AUX sensor fun	nction (C.A 6131)					
AC+DC re	range: Range / Resolution / Accuracy	2.0 to 999.9 mV / 1.000 to 1.2000 V / 0.1 mV — 1 mV / ±(1 % R + 2 cts)	-			
	DC range / Resolution / Accuracy	±(0.0 to 999.9 mV) — ±(1.000 to 2.000 V) / 0.1 mV — 1 mV / ±(1 % R + 2 cts)		-		
		General Specifications				
isplay		Custom 231-segment LCD with blue backlighting				
ata storage		- 1	30 sites x 99 tests			
Communication		-	Bluetooth Class 1; range > 10m			
oftware			Android IT-Report application			
ower supply		6 x LR 6 or AA batteries	6 NiMH mains-rechargeable batteries, charging < 6 hrs , USB or vehicle cigarette lighter			
attery life		> 1,900 continuity measurements at 1 Ω	> 1,700 continuity measurements at 1 Ω			
imensions / weig	ght	223 x 1 26 x 70 mm / 700 g approx.				
nvironment		Use: 0 to 40 °C / Storage: - 10 to 70 °C (RH 80%)				
rotection		IP 54 (IEC 60 529) ; IK 04 (IEC 50102)				
tandards / Electri	,	EMV: IEC 61326-1; IEC 61010-1; IEC 61010-2-030	10-1 ; IEC 61010-2-030 ; IEC 61010-2-034, 600V CAT III, 300V CAT II on charger input			
ompliance with I	EC 61557	Parts 1, 2, 3, 4, 6, 7 and 10		Parts 1, 2, 3, 4, 5, 6, 7	and 10	
State at	EC 61557 <mark>delivery and refere</mark> r				rts 1, 2, 3, 4, 5, 6, 7 (ccessorie	

P01146011 C.A 6131

Low-voltage installation tester delivered in a cardboard box containing:

- -1 carrying bag
- 1 neck strap
- 1 EURO mains 3-pole cable
- 3 x 1.5m/4 mm safety cables (red/black/green),
- 3 crocodile clips (red/black/green), 1 black test probe, 6 x LR6 1.5V batteries, 1 User's manual on CD-ROM (5 languages),
- I quick startup guide on paper, - 1 safety datasheet,
- 1 test report with measurement report

P01146013 C.A 6133

Low-voltage installation tester delivered in a cardboard box containing:

- -1 carrying bag
- 1 neck strap
- 1 EURO mains 3-pole cable
- 3 x 1.5m/4 mm safety cables (red/black/green),
- 3 crocodile clips (red/black/green), 1 black test probe, 6 x NiMH batteries,

- 1 x 2A USB power supply,
- 1 razor-type USB power cable,
- 1 User's manual on CD-ROM (5 languages),
- I quick startup guide on paper,
- 1 safety datasheet, 1 test report with measurement report
- 1 battery information sheet



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Remote-control probe: P01102157 MN 73A 2A/200A bi-calibre current clamp with P01120439

4-point connectors (C.A.6133):

- MN 73 2A/200A bi-calibre current clamp with P01120421