

TRMS AC, DC and AC+DC digital multimeters

C.A 5271, C.A 5273, C.A 5275 & C.A 5277

**600 V CAT IV
1,000 V CAT III**

> **Category IV safety, versatility for use in the field**

- Double backlit 6,000-count display with dual-mode remanent bargraph
- VLowZ low-impedance voltage measurement with low-pass filter (electronic power supply)
- Resolution from 10 µV and 1 µA

- Ionization current measurement
- Quick response, 5 measurements/s and high crest factor
- Resistance, continuity, frequency, temperature, capacitance, etc.
- Min-Max-Peak functions, relative and differential measurements



Specifications

	C.A 5271	C.A 5273	C.A 5275	C.A 5277
Display	6,000 counts		2 x 6,000 counts, backlighting	
Bargraph	61+2 elements		61+2 elements, dual mode (full scale / central zero)	
Acquisition	TRMS AC / DC		TRMS AC / DC / AC+DC	
Measurement rate	5 measurements / second			
Autoranging / Deactivatable	Yes / No		Yes / Yes	
Automatic AC / DC detection	Yes		No	
V _{DC}	600 mV / 6 V / 60 V / 600 V / 1,000 V		60 mV / 600 mV / 6 V / 60 V / 600 V / 1,000 V	
Typical accuracy	0.2% + 2 cts		0.09% + 2 cts	
Resolution	0,1 mV to 1 V		0,01 mV to 1 V	
V _{AC}	600mV / 6V / 60V / 600 V / 1,000 V		60 mV / 600 mV / 6 V / 60 V / 600 V / 1,000 V	
Resolution	0.1 mV à 1 V		0.01 mV à 1 V	
Bandwidth	40 Hz à 3 kHz		40 Hz à 10 kHz	
V _{LowZ AC} (low impedance + low-pass filter)	600 mV / 6 V / 60 V / 600 V / 1,000 V			
Resolution	0.1 mV à 1 V		0.01 mV à 1 V	
V _{AC+DC}	-		60 mV / 600 mV / 6 V / 60 V / 600 V / 1,000 V	
Resolution	-		0.01 mV to 1 V	
A _{DC}	6 A / 10 A (20 A/30 s)		6000 µA / 60 mA / 600 mA / 6 A / 10 A (20 A / 30 s)	
Resolution	0.001 A à 0.01 A		1 µA to 0.01 A	
A _{AC}	6 A / 10 A		6000 µA / 60 mA / 600 mA / 6 A / 10 A (20 A / 30 s)	
Resolution	0.001A to 0.01 A		1 µA to 0.01 A	
A _{AC+DC}			6000µA / 60mA / 600 mA / 6 A / 10 A (20 A / 30 s)	
Resolution			1 µA to 0.01 A	
Resistance	600 Ω / 6,000 Ω / 60 kΩ / 600 kΩ / 6 MΩ / 60 MΩ			
Resolution	0,1 Ω to 0.1 MΩ			
Audible continuity	Yes			
Test Diode	Yes			
Hz	-		600 Hz / 6 kHz / 50 kHz	
Resolution	-		0.1Hz to 10 Hz	
Capacitance	-		6 nF / 60 nF / 600 nF / 6 µF / 60 µF / 600 µF / 6 mF / 60 mF	
Resolution	-		0.001 nF (1pF) to 10 µF	
T°	-		-	
Calibres	-59,6 °C à +1,200°C -4°F to 2,192 °F		-59,6 °C to +1,200°C -4°F to 2,192 °F	
Resolution	-		-	
	0.1° to 1 °		0.1° to 1 °	
Hold	Yes	Yes	Yes	Yes
Min / MAX (100 ms)	No	Yes	Yes	Yes
Peak+ / Peak- (1 ms)	No	No	No	Yes
Differential (ΔX) / RELative (ΔX/X%) measurement	No	No	Yes	Yes
Automatic shutdown	Yes (deactivatable)			
Power supply	1 x 9V			
Normes	IEC 61010 CAT IV 600 V / CAT III 1,000 V			
Dimensions / Weight	90 x 190 x 45 / 400 g			

State at delivery

- > 1 x C.A 5270 multimeter delivered with set of banana leads, set of test probes, 9 V battery and CD containing the operating manual and start-up guide.
- > C.A 5271 standard state at delivery
- > C.A 5273 includes an additional K thermocouple temperature sensor
- > C.A 5275 includes a bag and a Multifix adapter
- > C.A 5277 includes a K thermocouple temperature sensor, bag and Multifix adapter

References to order

- > C.A 5271 TRMS AC/DC multimeter > P01196771
- > C.A 5273 TRMS AC/DC multimeter > P01196773
- > C.A 5275 TRMS AC+DC multimeter > P01196775
- > C.A 5277 TRMS AC+DC multimeter > P01196777