

*Quite Simply:*

*the best  
in insulation!*

## Series

C.A 6521

C.A 6523

C.A 6525

C.A 6531

C.A 6533

Megohmmeters

- Twin digital-analogue display
- Giant back-lit screen
- Battery powered for hours of service
- Programmable threshold alarms
- Remote control probe with lighting facility



*A total range  
comprising  
5 models:  
A megohmmeter  
to suit  
all needs!*

CE

 CHAUVIN  
ARNOUX

# Testing electrical installations and equipment



The innovative range of megohmmeter models C.A 6521, C.A 6523 and C.A 6525 make measurement both straightforward and convenient.

## Ergonomics

- **Giant back-lit display** for extra clarity
- **4000 ct. digital display + logarithmic bar graph** for: simultaneous reading of measurement and analogue variation
- **Stand:** for use of equipment on table or on the ground
- **Casing design:** grips firmly in the hand

## Measurement aids

- **Limit values.**  
Programmable high and low thresholds trigger 'beep' sound (no longer necessary to read the value to verify the result)
- **Timer function.**  
Automatic time measurement with stopwatch display (up to 15 min's)
- **Lead compensation.**  
Precise measurement in continuity testing guaranteed

## Safety

- **Automatic voltage detection.**  
The presence of a dangerous voltage level on the test circuit automatically prevents insulation measurement from being made
- **Device protected against external overload**
- **Safety of the operator.**  
High voltages are discharged from device when testing is over (capacitive charges)

## Usability

- **6 LR6 batteries** for long periods of serviceable use
- **Automatic switch-off** after 5 min's for prolonged battery life
- **Battery level indicator** at each start up to prevent being caught out on site



MEASUREMENT FUNCTIONS	C.A 6521	C.A 6523	C.A 6525
<b>INSULATION</b>	<b>250 V 500 V</b>	<b>500 V 1000 V</b>	<b>250 V 500 V 1000 V</b>
Range	50 kΩ... 2000 MΩ	100 kΩ... 2000 MΩ	50 kΩ... 2000 MΩ
Resolution	0.01 / 0.1 / 1 MΩ	0.01 / 0.1 / 1 MΩ	0.01 / 0.1 / 1 MΩ
Accuracy	± 3% R ± 5 cts max	± 3% R ± 5 cts max	± 3% R ± 5 cts max
<b>VOLTAGE*</b>	<b>0... 600 V AC/DC</b>	<b>0... 600 V AC/DC</b>	<b>0... 600 V AC/DC</b>
Range	0.1 / 1 V	0.1 / 1 V	0.1 / 1 V
Resolution	0.1 / 1 V	0.1 / 1 V	0.1 / 1 V
Accuracy	± 3% R ± 1 ct	± 3% R ± 1 ct	± 3% R ± 1 ct
<b>CONTINUITY</b>			
Beep sound	yes, rapid	yes, rapid	yes, rapid
Range	0... 20 Ω	0... 20 Ω	0... 20 Ω
Resolution	0.01 Ω	0.01 Ω	0.01 Ω
Accuracy	± 3% R ± 1 ct	± 3% R ± 1 ct	± 3% R ± 1 ct
Lead compensation	-	●	●
<b>RESISTANCE</b>			
Range	-	0... 400 kΩ	0... 400 kΩ
Resolution	-	0.1 / 1 / 10 / 100 Ω	0.1 / 1 / 10 / 100 Ω
Accuracy	-	± 3% R ± 2 cts max	± 3% R ± 2 cts max

MEASUREMENT AIDS	C.A 6521	C.A 6523	C.A 6525
Giant Bar graph (Logarithmic)	●	●	●
Back-lit display	-	●	●
ALARM function	-	●	●
TIMER function	-	-	●
Remote control probe	-	optional	optional

\* automatic when measuring insulation

# Testing 'low current' installations and equipment

(telephone systems, electronics, ...)

Owing to their insulation test voltages, 50V to 100V (model C.A 6531) and 50V to 500V (model 6533), both these meters are ideally suited to measurement on low current equipment and installations. (telephone systems, electronics etc.)

## The best of insulation

In terms of ergonomics, safety and usability (see opposite), models C.A 6531 and C.A 6533 offer the same advantages as their forbears dedicated to electrical installation testing. To make measurement easy, limit values can be stored in memory, triggering a 'beep' sound.

## Telecommunications

Perfectly adapted for measurement on telephone lines, model C.A 6531 tests insulation under 50V or 100V. Specific functions include: measurement of resistance, capacitance and of AC voltage and current.

### • Practical

With model C.A 6531's  $\Delta$  REL function it's possible to detect transmission frames. It is equally simple to measure the resistance difference between a pair of wires.

### • Intelligent

Thanks to the programming of linear capacitance (nF/km), model C.A 6531 shows the length of the line being tested directly in kilometres.

## Telecommunications and Electronics

Model C.A 6533 is the most versatile, capable of insulation measurements under both 50V and 100V as well as 250V and 500V, with a measurement range from 10 k $\Omega$  to 20 G $\Omega$ . Besides telecommunications measurements, the C.A 6533 also gives the best in test servicing of electronic equipment.



\* automatic when measuring insulation

MEASUREMENT FUNCTIONS	C.A 6531	C.A 6533
<b>INSULATION</b> Range Resolution Accuracy	50 V 100 V 10 k $\Omega$ ... 400 M $\Omega$ 0.01 / 0.1 M $\Omega$ $\pm 3\% R \pm 5$ cts max	50 V 100 V 250 V 500 V 10 k $\Omega$ ... 20 G $\Omega$ 0.01 / 0.1 / 1 / 10 M $\Omega$ $\pm 3\% R \pm 5$ cts max
<b>VOLTAGE*</b> Range Resolution Accuracy	0... 600 V AC/DC 0.1 / 1 V $\pm 3\% R \pm 1$ ct	0... 600 V AC/DC 0.1 / 1 V $\pm 3\% R \pm 1$ ct
<b>RESISTANCE</b> Range Resolution Accuracy	0... 40 k $\Omega$ 0.1 / 1 / 10 $\Omega$ $\pm 3\% R \pm 2$ cts	0... 400 k $\Omega$ 0.1 / 1 / 10 / 100 $\Omega$ $\pm 3\% R \pm 1$ ct
<b>CAPACITANCE</b> Range Resolution Accuracy	0... 400 nF 0.1 / 1 nF $\pm 2\% R \pm 1$ ct	- - -
<b>CURRENT</b> Range Resolution Accuracy	0... 400 mA AC/DC 0.1 mA $\pm 3\% R \pm 1$ ct	- - -
<b>VOLTAGE</b> Range Resolution Accuracy	0... 400 V AC (10 Hz...1 MHz) 0.1 V $\pm 3\% R \pm 1$ ct	- - -

MEASUREMENT AIDS	C.A 6531	C.A 6533
Giant bar graph (Logarithmic)	●	●
Back-lit screen	●	●
ALARM Function	●	●
$\Delta$ REL Function	●	●
Remote control probe	optional	optional

