

EUROPE'S LARGEST SELECTION OF TEST & MEASUREMENT EQUIPMENT FOR HIRE

INLEC.COM

DATA-SHEET



Nationwide Low Call
0333 6000 600

WHY BUY
WHEN YOU CAN HIRE

Quite Simply:



Series

- C.A 6521
- C.A 6523
- C.A 6525
- C.A 6531
- C.A 6533

***the best
in insulation!***

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!*



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 loads**
- **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
INSULATION*	250 V 500 V	500 V 1000 V	250 V 500 V 1000 V
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
CONTINUITY			
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	-	●	●
RESISTANCE			
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

* automatic voltage display between 0...600 V AC/DC prior to insulation measurements and measurement locking if U > 25 V.

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

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 Δ 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 Ω to 20 G Ω . Besides telecommunications measurements, the C.A 6533 also gives the best in test servicing of electronic equipment.

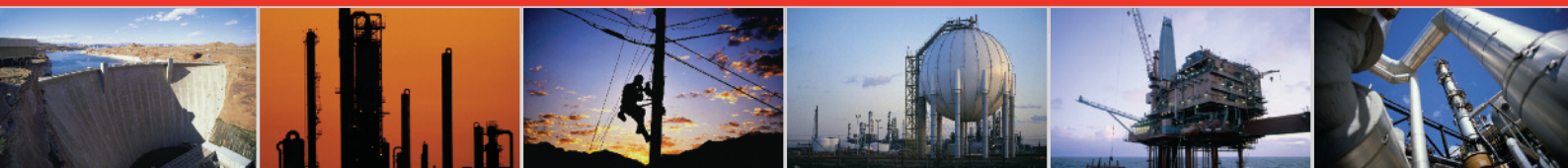


MEASUREMENT FUNCTIONS	C.A 6531	C.A 6533
INSULATION * Range Resolution Accuracy	50 V 100 V 10 k Ω ... 400 M Ω 0.01 / 0.1 M Ω $\pm 3\%$ R ± 5 cts max	50 V 100 V 250 V 500 V 10 k Ω ... 20 G Ω 0.01 / 0.1 / 1 / 10 M Ω $\pm 3\%$ R ± 5 cts max
RESISTANCE Range Resolution Accuracy	0... 40 k Ω 0.1 / 1 / 10 Ω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

* automatic voltage display between 0...600 V AC/DC prior to insulation measurements and measurement locking if U > 25 V.

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

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OUR COMMITMENT TO YOU

A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

YOUR 5 WAY GUARANTEE

1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

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3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

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*subject to availability and conditions

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