

Digital insulation testers



C.A 6521, C.A 6523, C.A 6525

- > **C.A 6521, 2 in 1**
 - Dual analogue and digital display
- > **C.A 6523, 3 in 1**
 - Dual analogue and digital display
 - Programmable alarm thresholds
- > **C.A 6525, 3 in 1**
 - Programmable alarm thresholds
 - Chronometer to test insulation quality

Specifications

		C.A 6521	C.A 6523	C.A 6525
Insulation	Test voltage			
	250 V	50 kΩ to 2 GΩ	-	50 kΩ to 2 GΩ
	500 V	100 kΩ to 2 GΩ	100 kΩ to 2 GΩ	100 kΩ to 2 GΩ
	1,000 V	-	200 kΩ to 2 GΩ	200 kΩ to 2 GΩ
Accuracy	200 kΩ to 2 GΩ		±3 % R ±2 cts	
Voltage test / Safety			0 to 600 V _{AC/DC}	
Voltage alert indicator			Yes > 25 V	
Test inhibition			Yes > 25 V	
Continuity	Range		0.0 to 19.99 Ω	
	Current measurement		≥ 200 mA up to 20 Ω	
	Current reversal	Yes	Yes	Yes
	Cable compensation	-	Yes	Yes
	Buzzer	Yes	Yes	Yes
Resistance	Range	-	0 to 400 kΩ	0 to 400 kΩ
Alarms		-	Yes	Yes
Chronometer		-	-	0 to 15 min.
Display			LCD + Bargraph	
Backlighting		-	Yes	Yes
Power supply			6 x LR6 batteries	
Dimensions / weight			211 x 108 x 60 mm / 830 g	
Electrical safety			IEC 61010 300 V CAT II – IEC 61557	

State at delivery

- > The **C.A 6521, C.A 6523 and C.A 6525** are delivered with a carrying bag for "hands-free" use containing a set of 2 leads 1.5 m long, 1 crocodile clip, 1 black test probe, 6 x 1.5 V LR6 batteries and 1 operating manual

Accessories/Replacement parts

- | | |
|--|--------------|
| Remote-control probe | > P01101935 |
| C.A 861 thermometer + K thermocouple | > P01650101Z |
| C.A 846 thermo-hygrometer | > P01156301Z |
| Carrying bag for "hands-free" use | > P01298049 |
| 0.63 A fuse (x 5) | > P01297078 |
| 1.5 V LR6 alkaline battery | > P01296033 |
| Ø 4 mm CAT II 300 V moulded test probe (x 2) | > P01295458Z |
| 2 crocodile clips (red/black) | > P01102052Z |
| 2 PVC leads (red/black) | > P01295289Z |

References to order

- | | |
|-------------------|--------------|
| > C.A 6521 | > P01140801D |
| > C.A 6523 | > P01140802D |
| > C.A 6525 | > P01140803D |

Digital insulation testers

C.A 6531 & C.A 6533

> C.A 6531 & C.A 6533

- Specially designed for Telecoms & Electronics
- Dedicated to equipment or installations using low currents



600 V CAT III

Specifications

		C.A 6531	C.A 6533
Insulation	Test voltage		
	50 V	10 kΩ to 400 MΩ	10 kΩ to 2 GΩ
	100 V	20 kΩ to 400 MΩ	20 kΩ to 2 GΩ
	250 V	-	50 kΩ to 20 GΩ
	500 V	-	100 kΩ to 20 GΩ
Accuracy	200 kΩ to 2 GΩ	±3 % R ±2 cts	
Voltage test / Safety		0 to 600 V _{AC/DC}	
Voltage alert indicator		Yes > 25 V	
Test inhibition		Yes > 25 V	
Capacitance		0 to 4,000 nF*	-
AC/DC current measurement		0 to 400 mA	
Resistance	Range	0 to 40 kΩ	0 to 400 kΩ
Alarms		Yes	Yes
Display		LCD + Bargraph	
Backlighting		Yes	
Power supply		6 x LR6 batteries	
Dimensions / weight		211 x 108 x 60 mm / 835 g	
Electrical safety		IEC 61010 600 V CAT III – IEC 61557	

*also calculates the line length on the basis of the capacitance per unit length

Accessories / Replacement parts

- | | |
|--|--------------|
| Remote-control probe | > P01101935 |
| C.A 861 thermometer + K thermocouple | > P01650101Z |
| C.A 846 thermo-hygrometer | > P01156301Z |
| Carrying bag for "hands-free" use | > P01298049 |
| 0.63 A fuse (x 5) | > P01297078 |
| 1.5 V LR6 alkaline battery | > P01296033 |
| Ø 4 mm CAT II 300 V moulded test probe (x 2) | > P01295458Z |
| 2 crocodile clips (red/black) | > P01102052Z |
| 2 PVC leads (red/black) | > P01295289Z |

State at delivery

- > **C.A 6531** delivered with a carrying bag for "hands-free" use containing a set of 2 leads 1.5 m long, 1 crocodile clip, 1 black test probe, 2 wire grips, 6 x 1.5 V LR6 batteries and 1 operating manual
- > **C.A 6533** delivered with a carrying bag for "hands-free" use containing a set of 2 leads 1.5 m long, 1 guarded safety lead 1.5 m long, 1 crocodile clip, 1 blue crocodile clip, 1 black test probe, 2 wire grips, 6 x 1.5 V LR6 batteries and 1 operating manual

References to order

- | | |
|-------------------|--------------|
| > C.A 6531 | > P01140804B |
| > C.A 6533 | > P01140805 |

Digital insulation tester

C.A 6541 & C.A 6543

> Special on-site 1,000 V insulation tester

- Extensive measurement range, up to 4 TΩ
- Automatic calculation of DAR / PI quality ratios
- Ultra-rugged site-proof case



Specifications

Insulation	Test voltage	
	50 V	
	100 V	
	250 V	
	500 V	
	1,000 V	
Accuracy	2 kΩ to 40 GΩ	
	40 GΩ to 4 TΩ	
Programmable test duration		
DAR (1 min. / 30 sec.)		
PI (10 min. / 1 min.)		
Customizable PI		
Voltage test / Safety		
Voltage alert indicator		
Test inhibition		
Smooth function		
Continuity	Range	
	Current measurement	
Resistance	Range	
Capacitance	Range	
Memory - Communication		
	R(time)	
Measurement storage		
Direct report printing		
Communication output		
PC software		
Display		
Power supply		
Dimensions / weight		
Electrical safety		

■ C.A 6541

■ C.A 6543

	2 kΩ to 200 GΩ
	4 kΩ to 400 GΩ
	10 kΩ to 1 TΩ
	20 kΩ to 2 TΩ
	40 kΩ to 4 TΩ
	±5% R ± 3 cts
	±15% R ± 10 cts
	1 to 59 min.
	0.000 to 9.999
	0.000 to 9.999
	Times programmable from 30 s to 59 min.
	0 to 1,000 Vac/bc
	Yes > 25 V
	Yes > 25 V
	Yes
	0.01 to 39.99 Ω
	≥ 200 mA up to 20 Ω
	0.01 to 400 kΩ
	0.005 to 4.999 μF
	20 kB
	128 kB
	20 measurement values
	Until 1,500 measurement values
	-
	On local printer, fixed format
	No
	RS-232
	No
	DataView® (option)
	Giant LCD + bargraph
	Giant LCD + bargraph
	8 x LR14 batteries
	NiMH battery
	240 x 185 x 110 mm / 3.4 kg
	240 x 185 x 110 mm / 3.4 kg
	IEC 61010 600 V CAT III - IEC 61557
	IEC 61010 600 V CAT III - IEC 61557

Accessories / Replacement parts

Remote-control probe	> P01101935
C.A 861 thermometer + K thermocouple	> P01650101Z
C.A 846 thermo-hygrometer	> P01156301Z
AN1 artificial neutral box	> P01197201
Carrying bag no. 6 for accessories	> P01298051
1.5 V LR14 battery	> P01296034
FF fuse 2.5 A - 1,200 V - 8 x 50 mm - 15 kA (x 5)	> P01297071
FF fuse 0.1 A - 660 V - 6.3 x 32 mm - 20 kA (x 10)	> P01297072

C.A 6543

Ino. 5 series printer	> P01102903
Serial-parallel adapter	> P01101941
MegohmView software	> P01101938A
DataView® software	> P01102058
Safety leads 1.5 m long (red, blue, black)	> P01295171
RS232 PC cable DB 9F - DB 25F x 2	> P01295172

State at delivery and reference

- > **C.A 6541** delivered with a carrying bag for accessories containing: a set of 2 leads 1.5 m long (red/black), 1 black guarded lead 1.5 m long, 3 crocodile clips (red/blue/black), 1 test probe (black), 1 simplified operating manual, 1 operating manual in 5 languages, 8 LR14 batteries > P01138901
- > **C.A 6543** delivered with a carrying bag for accessories containing a set of 2 leads 1.5 m long (red/black), 1 black guarded lead 1.5 m long, 3 crocodile clips (red/blue/black), 1 test probe (black), 1 simplified operating manual, 1 operating manual in 5 languages, 1 mains power cable 2 m long, 1 communication cable > P01138902

Accessories / Replacement parts

RS232 printer cable DB 9F - DB 9M no. 01	> P01295173
2P EUR mains lead	> P01295174
GB mains power cable	> P01295253
Battery pack	> P01296021