

	CA 6422	CA 6424
Voltage		
Range	-	0.1-600 V
Resolution	-	0.1 V
Accuracy	-	± (1%R + 1 ct)
2P resistance		
Range	0.05-99.99 Ω / 80.0-999.9 Ω / 0.800-9.999 kΩ / 8.00-50.00 kΩ	
Resolution	0.01 Ω / 1 Ω / 10 Ω / 100 Ω	
Accuracy	± (2%R + 10 cts) / ± (2%R + 2 cts) / ± (2%R + 1 ct) / ± (2%R + 1 ct)	
Cable compensation	-	up to 5 Ω
3P earth resistance		
Range	0.5 Ω - 2.000 kΩ	0.5 Ω - 50.00 kΩ
Resolution	0.01 Ω / 0.1 Ω / 1 Ω	0.01 Ω / 0.1 Ω / 1 Ω / 10 Ω
Accuracy	± (1%R + 10 cts) / ± (1%R + 2 cts) / ± (1%R + 1 ct)	
Measurement frequency	128 Hz or 256 Hz	
No-load voltage	±10 V peak	
Measurement mode	One-shot or permanent	
Data storage	-	Registers: RE @ 62%; RE @ 52%; RE @ 72%
Calculation of average	-	Calculation of the average and the % deviation in relation to the average
RH stake resistance measurement		
Range	-	0.05-9.999 kΩ / 8 - 49.99 kΩ
Resolution	-	1 Ω / 10 Ω
Accuracy	-	± (10%R + 1 ct)
U_{SE} voltage measurement		
Range	-	0.10 - 99.99 VAC / 80.0 - 600 VAC
Resolution	-	0.01 V / 0.1 V
Accuracy	-	± (2%R + 2 cts)
Current measurement (via optional G72 clamp)		
Range	-	0.5 - 999.9 mA / 0.800-9.999 A / 8.00-60.00 A
Resolution	-	0.1 / 1 / 10 mA
Accuracy	-	± (1%R + 4 cts) / ± (1%R + 2 cts)
General specifications		
Display	Backlit custom 206-segment LCD	
Measurement mode	R 2P (Ω), R 3P (Ω)	V, I, R 2P (Ω), R 3P (Ω)
Power supply	6 x LR 6 or AA batteries	6 x NiMH rechargeable batteries, charging time approx.. 6 hrs
Charger	-	Internal via mains/USB adapter supplied
Automatic power-off	-	Deactivatable
Battery life	> 2,000 x 3P earth measurements at 100 Ω	> 1,500 x 3P earth measurements at 100 Ω
Dimensions / weight	223 x 126 x 70 mm / 1 kg	
Environment	Operation: -10 to +50°C / Storage: -40 to +70°C (without batteries/accumulators)	
Protection	Up to 600 V on any of the input terminals	
IP / IK index	IP 65 as per IEC 60529 / IK 04 as per IEC 50102	
Drop test	1 metre as per IEC 61010-1	
Standards / electrical safety	EMC: IEC 61326-1; IEC 61010-2-030 / 600 V CAT IV	
Compliance with IEC 61557	IEC 61557-1 and IEC 61557-5	

STATE AT DELIVERY AND REFERENCES

CA 6422 P01127012
Instrument delivered with 6 x LR6 type AAA batteries, 1 quick start guide, 1 safety datasheet, 1 test report with measurement results, WEB link/QR Code for downloading the manuals.

CA 6424 P01127014
1 carrying bag, 6 NiMH batteries, 1 USB 2A power supply, 1 USB micro-razor power cable, 1 multilingual quick start guide, 1 safety datasheet, 1 battery datasheet, 1 test report with measurement results, WEB link/QR Code for downloading the manuals.

ACCESSORIES AND REPLACEMENT PARTS



Carrying bag
G72 current clamp
4-point hands-free strap
15m earth kit
50m earth kit
Wrist strap

P01298006
P01120872
HX0302
P01102017
P01102021
HX0122

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