

TECHNICAL SPECIFICATIONS

	C.A 8230	C.A 8220
>> Voltage range	6 VRMS to 600 VRMS AC+DC $\pm(0.5\% + 2 \text{ counts})$	
>> AC current range	100 mA to 6,500 A $\pm(0.5\% + 1 \text{ count})$	
>> DC current range	50 mA to 1,400 A $\pm(1\% + 1 \text{ count})$	
>> Min, Max, Avg, and Peak values (+ and -), CF	Yes	
>> Fundamental frequency	40 Hz to 70 Hz	
>> Screen	¼ VGA colour LCD	173-segment backlit LCD
>> Single-phase and balanced three-phase	Yes	
>> W, VA and var power values, Cos ϕ , PF	Yes	
>> varh and VAh energy values, Wh	Yes	
>> Harmonics DF, THD	Up to the 50th order	
>> Recordings	Up to several days	—
>> Alarms	4,096	—
>> PST flicker	Yes	—
>> Inrush	18 s	—
>> Motor rotation speed	—	6 RPM to 120 kRPM $\pm(0.5\%)$
>> Temperature (Pt100)	—	-200 °C to +850 °C $\pm(1\% + 10 \text{ counts})$
>> Resistance (winding)	—	0.0 Ω to 2,000 Ω $\pm(0.5\% + 2 \Omega)$
>> Phase rotation	Yes, with display of phase order in three-phase systems	
>> Storage of measurements	Yes	
>> Ambient temperature	23 °C ± 3 K	
>> Relative humidity	45 % ; 75 %	
>> Protection rating	IP54	
>> RS232/USB port	Yes	
>> IEC 61010-1	600 V, Cat. III	
>> Power supply	Batteries, charge life up to 40 hours	Batteries (6 x AA)
>> Weight	880 g (with rechargeable batteries)	840 g (with batteries)
>> Dimensions	211 x 108 x 60 mm	



C.A 1711 no-contact RPM sensor for measuring rotation speeds (6 to 120,000 RPM)