



CEQ MOVING IRON AMMETERS and VOLTMETERS

The CEQ range of panel meters are ideal for measuring and displaying ac voltage and current. The moving iron movements respond to the rms value of the quantity being measured. The meters are housed in flame retardant moulded polycarbonate cases with glass fascias. The movement is suspended between spring loaded sapphire jewels with silicon coil damping.

Ammeter ranges from 100mA to 100A.

Voltmeter ranges from 6V to 750V.



Mechanical Specifications

Case	Glass filled polycarbonate, flame retardant and drip proof as per UL 94V-0	
Pointer Deflection	:	0 to 90°
Protection	:	IP52
Panel Mounting	:	Swivel screws
Panel Thickness	:	<40mm
Terminals		
Voltmeters and Ammeters ≤ 20A	:	Hexagon studs, M4 screws and wire clamps E3 (DIN 46282)
Ammeters > 20A	:	Threaded studs M6 with nuts
Ammeters > 60A	:	Threaded studs M8 with nuts

Electrical Specifications

Measured Quantity ac voltage or current

Power Consumption

Voltmeters	:	<4.5VA
Ammeters <15A	:	<0.5VA
Ammeters >15A	:	<0.8VA

Overload

Continuously	:	1.2 times rated voltage/current
Short Duration Voltmeters	:	2 times rated voltage (max 1000V) for 5 seconds
Short Duration Ammeters	:	10 times for 5 seconds max.
	:	40 times (250A max.) for 1 second

Insulation Rating

:	3kV
:	>50MS at 500V dc

Frequency

Voltage	:	15 to 100Hz
Current	:	15 to 400Hz

Accuracy

:	Class 1.5
Sine wave, distortion factor ≤ 5%	
Frequency 45 to 65Hz	

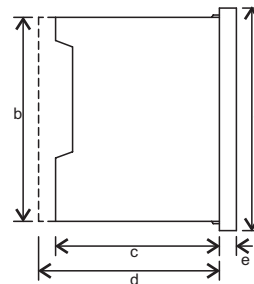
Standard Ranges (others to order)

Voltage	:	250V, 500V
With external vt	:	.../110V
Current	:	1A, 2.5A, 5A, 10A, 15A
standard 2 times overscale	:	20A, 30A, 50A, 100A
With external ct	:	.../1A or .../5A

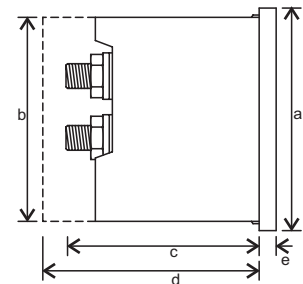
Dimensions

(In mm)		CEQ72	CEQ96
Weight		0.16kg	0.2kg
Bezel	a	72	96
Case	b	66	90
Depth	c*	53	53
	e	5.5	5.5
Cutout size		68	92
Depth with back cover	f**	64	64
		* c = 62mm for >20A <60A	
		* c = 67mm for >60A	
		** d = 69.5mm for >60A	

For voltmeters & ammeters up to 20A



For ammeters > 20A



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