



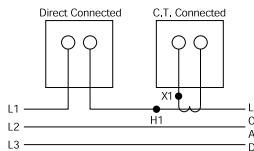
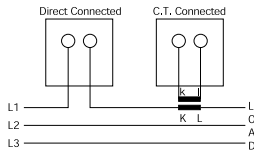
DIN Panel Meters – Short scale

Moving Iron AC Ammeters and Voltmeters

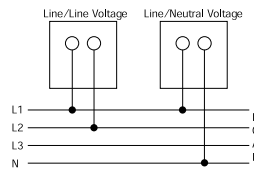
Designed to measure AC current or voltage, these meters indicate true RMS values and are substantially independent of system waveform. Scales are calibrated down to 20%, and ammeters can have overload scales of x2, x3, x5 or x6 for motor start duty. Ammeters can be supplied for use with -/1A or -/5A current transformers, whilst voltmeters can be scaled for use with voltage transformers. Heavy damping is available as an option. Meters can be used to measure DC at reduced accuracy.

Connections

AC Ammeter



AC Voltmeter



Specifications

Accuracy:	Class 1.5
Frequency:	50 or 60Hz, (400Hz on request)
Burden at 50Hz:	Ammeters: 0.5VA voltmeters: Up to 4.5VA maximum
Ratings:	Ammeters: 0.5 - 100A AC direct connected (40A for E242-75A and E246-07A). Maximum system voltage 600V AC Low load / high middle, maximum 10A
Voltmeters:	6 - 600V

Product Codes

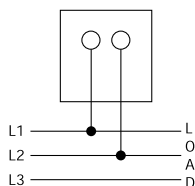
Bezel size mm	48	72	96	144
Scale length mm	42	65	94	145
Product codes				
AC ammeter	E242-75A	E243-02A	E244-02A	246-071A
x2 overload ammeter	E242-752A	E243-022A	E244-022A	246-072
x3 overload ammeter	E242-753A	E243-023A	E244-023A	246-073
x5 overload ammeter	E242-755A	E243-025A	E244-025A	246-075
x6 overload ammeter	E242-756A	E243-026A	E244-026A	246-076
AC voltmeter	E242-75V	E243-02V	E244-02V	246-07V



Frequency Meters

Frequency meters use an integral electronic converter and a moving coil indicator. These easy to read meters are Class 0.5 accurate.

Connections



Specifications

Ratings:	100-125V AC 200-250V AC 380-440V AC* 500V AC* *Use E242-013 and 253-THZ in place of E242-41S for voltages over 380V Models available for use with VTs
Frequency:	0.5%: 45/55Hz, 55/65Hz, 45/65Hz, 360/440Hz
Burden:	4VA maximum

Product Codes

Bezel size mm	48	72	96
Scale length mm	42	65	94
Product codes	E242-41S	E243-41S	E244-41S