

## Crompton DIN Panel Meters

- 48, 72, 96 & 144mm Case Sizes
- 1.5% Accuracy Class
- 90° & 240° Versions

### Moving Coil DC Ammeters and Voltmeters

The linear scale is calibrated down to zero & accuracy maintained down to 10%.

Accuracy: Class 1.5  
 Impedance: Voltmeters: 1000Ω/V above 1V  
 Millivolt meters use a 5mA movement.  
 Ammeters: 75mV internal shunt above 60mA

Model Code	48 x 48 mm	72 x 72 mm	96 x 96 mm	144 x 144 mm
<b>Short Scale (90°)</b>				
DC Ammeters	E242-89A	E243-01A	E244-01A	246-10A
Ammeters	E242-89C	E243-01C	E244-01C	246-10C
center zero				
DC Voltmeters	E242-89V	E243-01V	E244-01V	246-10V
Voltmeters	E242-89N	E243-01N	E244-01N	246-10N
center zero				
<b>Long Scale (240°)</b>				
DC Ammeters	242-05A	243-05A	244-05A	246-05A
Ammeters	242-05C	243-05C	244-05C	246-05C
center zero				
DC Voltmeters	242-05V	243-05V	244-05V	246-05V
Voltmeters	242-05N	243-05N	244-05N	246-05N
center zero				

Suppressed zero (e.g. 4-20mA, 1-5V) models also available.

DC Ammeter		DC Voltmeter	
Range	Code	Range	Code
200 μA	EAEA	50 mV	HYHY
250 μA	EEBE	60 mV	JCJC
400 μA	EIEI	75 mV	JDJD
600 μA	EQEQ	100 mV	JRJR
1 mA	FAFA	150 mV	JXJX
1.5 mA	FDFD	250 mV	KDKD
2.5 mA	FKFK	400 mV	KJKJ
5 mA	FXFX	600 mV	KPKP
6 mA	GCGC	1 V	LALA
10 mA	GZGZ	1.5 V	LCLC
15 mA	HCHC	2.5 V	LFLF
20 mA	HFHF	4 V	LLLL
25 mA	HJHJ	5 V	LSLS
40 mA	HSHS	6 V	LWLW
100 mA	HZHZ	10 V	MTMT
250 mA	KDKD	15 V	NDND
400 mA	KJKJ	20 V	NGNG
600 mA	KPKP	25 V	NJNJ
1 A	LALA	40 V	NPNP
1.5 A	LCLC	60 V	NWNW
2.5 A	LFLF	100 V	PKPK
4 A	LLLL	150 V	PZPZ
5 A	LSLS	250 V	RSRS
6 A	LWLW	400 V	SCSC
10 A	MTMT	500 V	SFSF
15 A	NDND	600 V	SJSJ
25 A	NJNJ		
30 A	NLNL		
40 A	NPNP		



DIN Short Scale

DIN Long Scale



### Moving Iron AC Ammeters and Voltmeters

Meters indicate true RMS values, substantially independent of system waveform. Scales are calibrated down to 20%.

Accuracy: Class 1.5  
 Frequency: 50 or 60Hz (specify)  
 Burden: Ammeters: 0.5VA  
 Voltmeters: 4.5VA maximum

Model Code	48 x 48 mm	72 x 72 mm	96 x 96 mm	144 x 144 mm
<b>Short Scale (90°)</b>				
AC Ammeter	E242-75A	E243-02A	E244-02A	246-071A
AC Voltmeter	E242-75V	E243-02V	E244-02V	246-07V
<b>Long Scale (240°)</b>				
AC Ammeter	242-03A	243-03A	244-03A	246-03A
AC Voltmeter	242-03V	243-03V	244-03V	246-03V

AC Ammeter	Code
Range	
1 A	LALA
1.5 A	LCLC
2.5 A	LFLF
4 A	LLLL
5 A	LSLS
6 A	LWLW
10 A	MTMT
15 A	NDND
20 A	NGNG
25 A	NJNJ

AC Voltmeter	Code
Range	
150 V	PZPZ
300 V	RXRX
400 V	SCSC
600 V	SJSJ

### Frequency Meters

Frequency meters use an integral electronic converter and a moving coil indicator.

Accuracy: Class 0.5  
 Burden: 4VA maximum

DIN Frequency



Model Code	48 x 48 mm	72 x 72 mm	96 x 96 mm
<b>Short Scale (90°)</b>			
	E242-41S	E243-41S	E244-41S
<b>Range Code</b>			
45/55Hz	55/65Hz	45/65Hz	360/440Hz
100-125V AC	PLAG-AG	PLAN-AN	PLAJ-AJ
200-250V AC	RNAG-AG	RNAN-AN	RNAJ-AJ
			RNBI-BI

## ORDERING INFORMATION

To Order: Specify Model Code followed by Range Code  
 Example: E242-75V-PZPZ

### General Specifications:

Environment: -20°C to +60°C  
 Case: UL94V0 polycarbonate case, glass window, IP52  
 Depth: 64mm

Standard dials are white matte with black printed scales and bar knife-edge pointers. Black dials with white or yellow scales and pointers are also available.