



AC Moving Coil Rectifier type DIN Panel Ammeters and Voltmeters



C72
C96



MLC72
MLC96
MLC144



MLC110

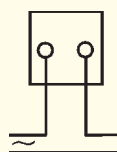
Model	C72, C96	MLC72, MLC96, MLC144, MLC110
Description	Moving Coil measuring instruments with AC rectifier; Full Scale deflection 90°	Moving coil measuring instruments with AC rectifier; Full Scale deflection 240°
Movement Type	Moving-coil with central magnetic Core; spring -mounted bearing jewel suspension	Moving-coil with central magnetic Core; spring -mounted bearing jewel suspension
Accuracy	± 1.5% of Full Scale	± 1.5% of Full Scale for MLC96, MLC144, MLC110, ± 2.5% of Full Scale for MLC72
Sensitivity	1000Ω/V (Voltmeter) 200Ω/V (Ammeter)	-
Operating Voltage	600 V RMS max.	600 V RMS max.
Test Voltage	2.5 KV for 1 minute at 50 Hz	2.5 KV for 1 minute at 50 Hz
Self-Consumption	<1 VA	<1 VA
Frequency range	15 to 100 Hz	45 Hz to 10KHz (Voltmeter), 45 to 100Hz (Ammeter)
Construction & Design	According to I.S. 1248; IEC 51	According to I.S.1248; IEC 51
Scale	According to DIN 43802	According to DIN 43802
Case	ABS	ABS
Dimensions and Panel cutout	Refer Dimensions	Refer Dimensions

Ammeters						Voltmeters		
1 x In (A)		2 x In (A)		6 x In (A)		Direct	On PT	
Direct	On CT	Direct	On CT	Direct	On CT	Direct	Ratio and Scale	
1A	(-)	1/2 A	(-)	1/6 A	(-)	10 V	-V/63.5 V	10 KV
5A	(5A or 1A)	5/10A	(5A or 1A)	5/30 A	(5A or 1A)	15 V	-V/110 V	15 KV
	10/-		10/20/-		10/60/-	20 V	-V/230 V	20 KV
	15/-		15/30/-		15/90/-	25 V	-V/250 V	25 KV
	20/-		20/40/-		20/120/-	30 V	-V/400 V	30 KV
	25/-		25/50/-		25/150/-	40 V	-V/440 V	40 KV
	30/-		30/60/-		30/180/-	50 V	1 KV	50 KV
	40/-		40/80/-		40/240/-	60 V	1.2 KV	60 KV
	50/-		50/100/-		50/300/-	75 V	1.5 KV	75 KV
	60/-		60/120/-		60/360/-	100 V	2 KV	100 KV
	75/-		75/150/-		75/450/-	150 V	2.5 KV	
	100/-		100/200/-		100/600/-	250 V	3 KV	
	150/-		150/300/-		150/900/-	400 V	3.5 KV	
	250/-		250/500/-		250/1500/-	500 V	4 KV	
	400/-		400/800/-		400/2400/-	600 V	5 KV	
	500/-		500/1000/-		500/3000/-		6 KV	
	600/-		600/1200/-		600/3600/-		7.5 KV	
	1000/-		1000/2000/-		1000/6000/-		8 KV	
	1500/-		1500/3000/-		1500/9000/-			
	and higher		and higher		and higher			

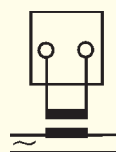
Notes

- Double stamping/non-standard marking available.
- Rectifier type meters calibrated for AC sine wave
- Rubber gaskets for vibration proof available
- AC instruments normally calibrated at 50 Hz.
- Other ranges available subject to technical feasibility.

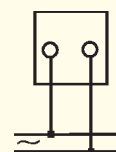
Wiring Diagram



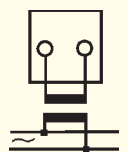
Ammeter with direct connection



Ammeter on CT



Voltmeter with direct connection



Voltmeter on PT

Ordering Information : Model, Input, CTR/PTR, Scale