

KM Series

- All models can be supplied with colour plate (6 colour variations available) on lower section of front cover.
- Designed also for behind the panel mounting.
- Available from this series are model KM-48, KM-66, KM-86A, KM-106 and KM-118.
- Moving Coil (M.C.) & Moving Iron (M.I.) Types available.
- Scale plate : Standard KYORITSU Brand, Special OEM Brand.

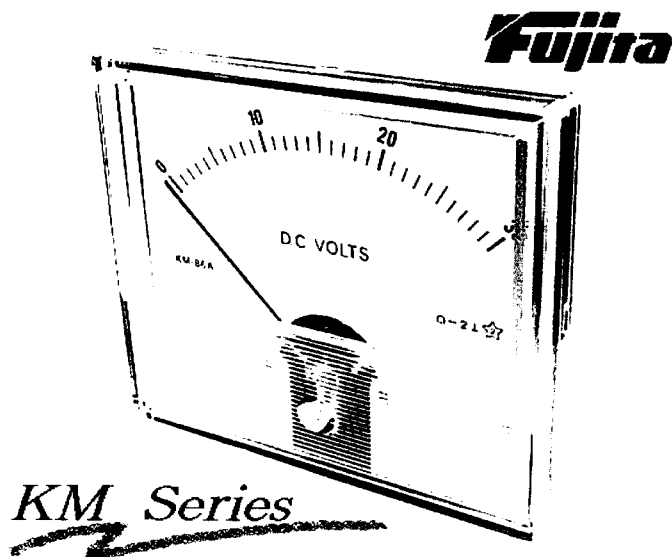
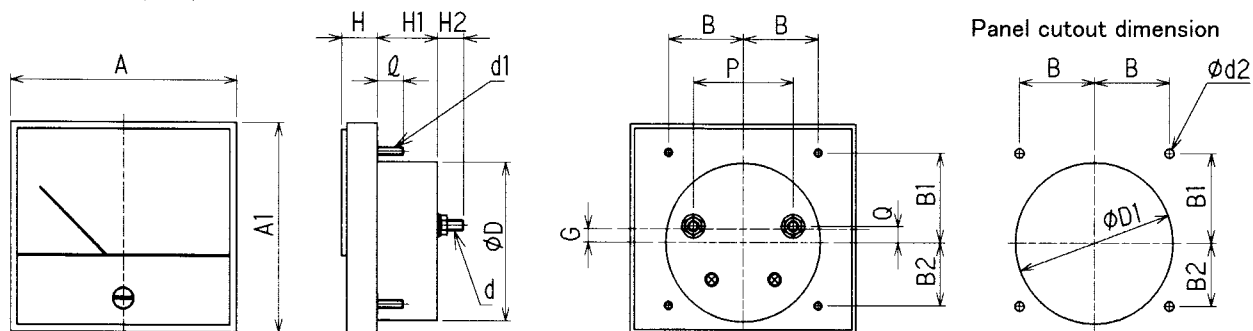


Photo : KM-86A

◆ Model & Type

Type		Model Number	Class	Operating Principle
DC	Ammeters·Voltsmeters	KM-48, 66, 86A, 106, 118	2.0	Moving Coil Type
AC	Ammeters·Voltsmeters	KM-48, 66, 86A, 106, 118	2.0	Rectifier Type
	Ammeters·Voltsmeters	KM-66, 86A, 106	2.0	Moving Iron Type

◆ Dimensions (mm)



Model	A	A1	H	H1		H2	φ D	d	d1	ℓ	B	B1	B2	G	Q		P		φ D1	φ d2
				MC	MI										MC	MI	MC	MI		
KM-48	48	42	10.5	22		10	38	M4	M3	10	16	16	16	0	7		17.5		39	3.3
KM-66	66	60	13.5	24	25	15	55	M5			24	24	24		2.5	12.5	24.5	29	56	3.5
KM-86A	86	78			24	MC 10/15	59	MC M4/M5			28.5	33.5	23.5	5	6	6	38	38	60	
					MI 15	MI M5		62												
KM-106	106	83	16		25	15	61	M5		15	44.3	38.9	26.9	6	10.5	11	70			
KM-118	118	106	17				69				50.8	51.8	38.8	6.5	12.5	13.5				

◆ General Descriptions

	KM-48	KM-66	KM-86A	KM-106	KM-118
Front Cover	Transparent acrylic resin				
Case	ABS resin	MC: Hi-impact resin MI: ABS resin	ABS resin	Hi-impact resin	
Scale Plate	Black numerals & division lines on white background				
Pointer Shape & Colour	Knife edge. Black				
Scale Lenge	31mm	49mm	70mm	73mm	92mm
Pointer Deflection Angle	90°				
Operating Temperature Range	-10°C~+50°C				

◆ DC Ammeters

F.S. Value	Approx. Internal Resistance	Shunt		
	KM-48, 66, 86A, 106, 118	KM-48	66, 106	86A, 118
50 μ A	3,200 Ω			
100 μ A	1,650 Ω			
200 μ A	700 Ω			
500 μ A	200 Ω			
1mA	70 Ω			
10mA	3.3 Ω			
20mA	Voltage Drop 50mV	IS	IS	IS
50mA				
100mA				
200mA				
300mA				
500mA				
1A				
2A				
3A				
5A				
10A	BMS	BMS	BMS	
20A				
30A				
50A				EBS

★ For ranges higher than 50A KM-86A and KM-118 will be supplied with external block shunt.

◆ DC Voltmeters

F.S. Value	Approx. Current Consumption
10V	1mA
15V	
30V	
50V	
100V	
150V	
300V	
500V	

★ For ranges higher than 500V (150V for KM-48 only) meters will be supplied with external multiplier.

◆ AC Voltmeters (Rectifier Type)

F.S. Value	Approx. Current Consumption
15V	1mA
30V	
50V	
100V	
150V	
300V	
500V	

★ For ranges higher than 500V (150V for KM-48 only) meters will be supplied with external multiplier.
★ Calibrated on sinusoidal waveform.

◆ AC Ammeters (Rectifier Type)

F.S. Value	Impedance (at full scale)	
	KM-48, 66, 86A	KM-106, 118
1mA	147 Ω	144 Ω
10mA	814 Ω	865 Ω

★ Calibrated on sinusoidal waveform.

◆ AC Ammeters (Moving Iron Type)

F.S. Value	Approx. Power Consumption
	KM-66, 86A, 106
50mA	0.71VA
500mA	0.47VA
1A	0.43VA
5A	0.6 VA
10A	0.8 VA
15A	0.84VA
30A	1.38VA

★ For ranges higher than 30A (10A for KM-48 only) meters will be supplied with external current transformer.

◆ AC Voltmeters (Moving Iron Type)

F.S. Value	Approx. Power Consumption
	KM-66, 86A, 106
150V	1.5VA
200V	2 VA
250V	2.5VA
300V	3 VA