



Analogue Meter

Am Meter, Volt meter, Etc

- 1.15kV Insulation Voltage
- 4.0kV - 1min Withstanding Voltage
- 50/60Hz Frequency
- 40 Over current Strength
- IEC 60044-1 Standard



Ordering Information

KA - A - 45 300

① ② ③

① Measurement Value	A	AC Ammeter
	B	AC Voltmeter
	C	DC Ammeter
	D	DC Voltmeter
	E	Analog Signal Meter
	F	Frequency Meter

② Size (Type)	Scale Arc	Mounting Type	Terminal Bolt	Terminal Protection	Color of Bezel	Weight (g)
45	90°	Bolt	M4	X	Translucent	40
50	80°	Bolt	M4, M5	O	Translucent	60
60	84°	Iron Tub	M4	O	Translucent	80
68	100°	Iron Tub	M4	X	Black	130
80	90°	Iron Tub	M5	O	Translucent	130
81	95°	Iron Tub	M5	O	Translucent	140
08	235°	Bolt	M5	O	Black	350
08N	235°	Bolt	M4	O	Black	350
11	235°	Bolt	M5	O	Black	450

③ Range	User Define	
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Technical Data

Size 45,50,60,68,80,81

81 Type : *
45,50 Type : **

Measurement	Accuracy Class	Inputs	Movement
A	2.5(1.5*)	2.1~30A	Moving-Iron
B	2.5(1.5*)	10~600V	Rectifier
C	2.5(1.5*)	150µA~30A (150µA~5A**), 50mV, 200mV	Rectifier
D	2.5(1.5*)	1~600V	Rectifier
E	2.5(1.5*)	DC4~20mA, DC10V, AC18V	Rectifier
F	1.0	45~65Hz	Rectifier

Size 08, 08N, 11

Measurement	Accuracy Class	Inputs	Movement
A	1.5	1~30A	Rectifier
B	1.5	10~600V	Rectifier
C	1.5	200µA~5A, 50mV, 200mV	Rectifier
D	1.5	1~600V	Rectifier
E	1.5	DC4~20mA, DC10V, AC18V	Rectifier
F	1.5	45~65Hz	Rectifier

Dimensions

45 Type		
60 Type		50 Type
80 Type		68 Type
08 Type		81 Type
11 Type		08N Type

Environmental Condition

Operating Temperature	0~55°C
Storage Temperature	-20~85°C
Relative Humidity	≤80%
Ingress Protection Rating	IP52(Front), IP20(Case)