

Var Meter

Certificates 



Model No

KAI - 

① Type(WxHxDxΦ)



08 80x80x99x65

11 110x110x107x100

How to order)) KAI-08 3P3W 440/110. 100/5A, ±80kvar

 Calculation method $1\Phi = V \times A \times \sin \theta$ $3\Phi = V \times A \times \sin \theta \times \sqrt{3}$

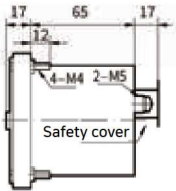
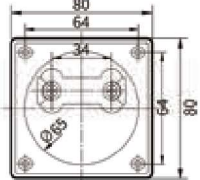
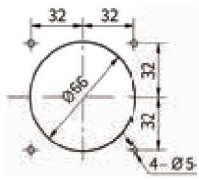
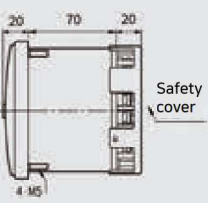
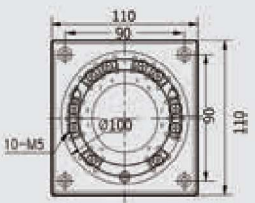
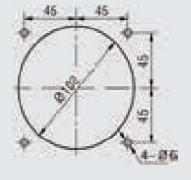
Technical Data

Type	KAI-11				KAI-08
Operation					
Class	1.5				
	1P2W	1P3W	3P3W	3P4W	
Input	220V	220V/110V	220V, 380/110V, 440/110V 3300/100V, 6600/110V 22000/110V 154kV/110V	208/√3V, 380/√3V / 190/√3V 380/√3V 11400/√3V / 190/√3V 22900/√3V / 190/√3V	No direct connection (Use TD)
Power Consumption	1A or 5A				
Weight	740g				300g(Meter), 450g(TD)

 Refer to Connection Diagram 25-27.  Customized product can be produced by order.

Drawing

Unit:mm

Type	Fixed method	Side	Rear	Panel dimensions
08Ty	Bolt fixed type			
11Ty	Bolt fixed type			

Reactive power meter chart

Unit:kvar

Circuit		1P2W	1P3W	3P3W							3P4W						
* Power constant		1.091	0.9091	1.05	1.216	1.05	1.05	1.05	1.05	1.008	1.05	1.110	1.216	1.216	1.216	1.008	
Voltage ratio		220V	220/ 110	220	380/ 110	440/ 110	3300/ 110	6600/ 110	22000/ 110	22900/ 110	154kV/ 110	208/ √3	380/√3 190/√3	380/ √3	11400/√3 190/√3	22900/√3 190/√3	
Maximum power		1.2 kvar	1.0 kvar	2.0 kvar	1.158 kvar	1.0 kvar	1.0 kvar	1.0 kvar	1.0 kvar	0.961 kvar	1.0 kvar	2.0 kvar	2.0 kvar	4.0 kvar	1.660 kvar	1.660 kvar	
Current ratio	1	5/5A	1.2	1	2	4	4	30	60	200	200	1400	2	4	4	100	200
	2	10/5A	2.4	2	4	8	8	60	120	400	400	2800	4	8	8	200	400
	3	15/5A	3.6	3	6	12	12	90	180	600	600	4200	6	12	12	300	600
	4	20/5A	4.8	4	8	16	16	120	240	800	800	5600	8	16	16	400	800
	5	25/5A	6.0	5	10	20	20	150	300	1000	1000	7000	10	20	20	500	1000
	6	30/5A	7.2	6	12	24	24	180	360	1200	1200	8400	12	24	24	600	1200
	7	40/5A	9.6	8	16	32	32	240	480	1600	1600	11.2Mvar	16	32	32	800	1600
	8	50/5A	12.0	10	20	40	40	300	600	2000	2000	14.0	20	40	40	1000	2000
	9	60/5A	14.4	12	24	48	48	360	720	2400	2400	16.8	24	48	48	1200	2400
	10	75/5A	18	15	30	60	60	450	900	3000	3000	21.0	30	60	60	1500	3000
	11	80/5A	19.2	16	32	64	64	480	960	3200	3200	22.4	32	64	64	1600	3200
	12	100/5A	24	20	40	80	80	600	1200	4000	4000	28.0	40	80	80	2000	4000
	13	120/5A	28.8	24	48	96	96	720	1440	4800	4800	33.6	48	96	96	2400	4800
	14	150/5A	36	30	60	120	120	900	1800	6000	6000	42.0	60	120	120	3000	6000
	15	200/5A	48	40	80	160	160	1200	2400	8000	8000	56.0	80	160	160	4000	8000
	16	250/5A	60	50	100	200	200	1500	3000	10Mvar	10Mvar	70.0	100	200	200	5000	10Mvar
	17	300/5A	72	60	120	240	240	1800	3600	12	12	84.0	120	240	240	6000	12
	18	400/5A	96	80	160	320	320	2400	4800	16	16	112	160	320	320	8000	16
	19	500/5A	120	100	200	400	400	3000	6000	20	20	140	200	400	400	10Mvar	20
	20	600/5A	144	120	240	480	480	3600	7200	24	24	168	240	480	480	12	24
	21	750/5A	180	150	300	600	600	4500	9000	30	30	210	300	600	600	15	30
	22	800/5A	192	160	320	640	640	4800	9600	32	32	224	320	640	640	16	32
	23	1000/5A	240	200	400	800	800	6000	12Mvar	40	40	280	400	800	800	20	40
	24	1200/5A	288	240	480	960	960	7200	14.4	48	48	336	480	960	960	24	48
	25	1500/5A	360	300	600	1200	1200	9000	18	60	60	420	600	1200	1200	30	60
	26	2000/5A	480	400	800	1600	1600	12Mvar	24	80	80	560	800	1600	1600	40	80
	27	2500/5A	600	500	1000	2000	2000	15	30	100	100	700	1000	2000	2000	50	100
	28	3000/5A	720	600	1200	2400	2400	18	36	120	120	840	1200	2400	2400	60	120
	29	4000/5A	960	800	1600	3200	3200	24	48	160	160	1120	1600	3200	3200	80	160
	30	5000/5A	1200	1000	2000	4000	4000	30	60	200	200	1400	2000	4000	4000	100	200

Reference

- ☞ For 1Φ2W, 220V and 10 / 5A, the maximum power meter reading design is 2.4kW
- ☞ For 3Φ3W, 154kV/110V and 100/5A the maximum power meter reading design is 28.0Mvar
- ☞ For 3Φ4W, 22900/√3/190√3V and 100/5A the maximum power meter reading design is 4000kW.
- ☞ Power constant : Instrument display power value (max.) / Power value calculated for electric circuit.
- ☞ Bidirectional wattmeter [consumption/generation] is order made.