Rating

Model		GIMAC-*i*
Wirings		1P2W, 1P3W, 3P3W, 3P4W
Input	Frequency	50Hz / 60Hz
	Voltage PT	AC 10~452V
	Current CT	0.05~6A
	Control voltage	AC/DC 88~264V (Free voltage)
	Power consumption	Max. 2W
	Burden PT	Max. 0.5VA
	Burden CT	Max. 0.5VA
Insulation Resistance		Over DC 500V 100㏁
Insulation Voltage		AC 2kV (1kV) / 1min
Impulse Voltage		AC 5kV (3kV) / $1.2 \times 50\mu s$
Overload withstand	Current circuit	2 In for 3 hours
		20 In for 2 seconds
	Voltage circuit	1.15 Vn for 3 hours
Fast Transient Disturbance		Power Input 4kV
ESD(Electrostatic Discharge)		Air 8kV
		Contact 6kV
Operation temperature		-10°C ~ 55°C
Storage temperature		-25°C ~ 70°C
Humidity Average		30 ~ 80%
Altitude		1000m and below
Others		Non-impact place
		Non-air pollution place
Standard		IEC 60255, IEC61000-4
Communication		MODBUS/RS-485
Dimension(W × H × D)		144 × 144 × 85 (mm)
Weight		0.52 kg

Self-diagnosis

Item	LCD display
Mis-wiring	Conn Chc (connection check)
Memory error	ERROR 1
Power fail	ERROR 2
Option error	ERROE 3
Setting error	ERROR 4
Calibration error	ERROR 5

Measurement functions

	Parameters	NO	EX	Accuracy(%)	Remarks
Voltage	Vavg	■	■	±0.3%	-
	Vab, Vbc, Vca	■	■	±0.3%	-
	Va, Vb, Vc	■	■	±0.3%	-
Current	Iavg	■	■	±0.3%	-
	Ia, Ib, Ic	■	■	±0.3%	-
	Load factor Ia, Ib, Ic	■	■	-	-
Phase	∠VabVbc, ∠VabVca	-	■	±0.5°	3P3W
	∠VabIa, ∠VabIb, ∠VabIc	-	■	±0.5°	3P3W
	∠VaVb, ∠VaVc	-	■	±0.5°	3P4W
	∠VaIa, ∠VbIb, ∠VcIc	-	■	±0.5°	3P4W
Power	P	■	■	±0.5%	IEC 1036
	Pa, Pb, Pc	-	■	±0.5%	IEC 1036
	Q	■	■	±0.5%	IEC 1036
	Qa, Qb, Qc	-	■	±0.5%	IEC 1036
	S	■	■	±0.5%	IEC 1036
	Sa, Sb, Sc	-	■	±0.5%	IEC 1036
Energy	Wh	■	■	±0.5%	IEC 1036
	Varh	■	■	±0.5%	IEC 1036
	rWh	-	■	±0.5%	IEC 1036
	rVarh	-	■	±0.5%	IEC 1036
	VAh	■	■	±0.5%	IEC 1036
Frequency	F(Hz)	■	■	0.05Hz	-
Power factor	PF	■	■		+ : Lag - : Lead
	PFa, PFb, PFc	-	■		
	DPFa, DPFb, DPFc	-	■		
THD	THD(V)	-	■	-	Va(ab), Vb(bc), Vc(ca)
	THD(I)	-	■	-	Ia, Ib, Ic
Harmonics	1st ~ 15th Harmonics (V)	-	■	-	Va(ab), Vb(bc), Vc(ca)
	1st ~ 15th Harmonics (I)	-	■	-	Ia, Ib, Ic
Demand	Demand W	-	■	-	
	Demand Ia, Ib, Ic, Iavg	-	■	-	-
MAX	max Ia, max Ib, max Ic, max Iavg max Va(ab) THD, max Vb(bc) THD	-	■	-	-
	max Vc(ca) THD max Ia THD, max Ib THD,	-	■	-	-
	max Ic THD	-	■	-	-
	max W	-	■	-	-
	max VAR	-	■	-	-
	max VA	-	■	-	-
	max Demand Iavg, Ia, Ib, Ic	-	■	-	-
	max Demand W	-	■	-	-