

Metering is our Business

ICG

MT880-I

High precision integrated meter



Multiple connection types

Direct or transformer connection Internal and external power supply

Extensive anti-tampering features Power quality according to EN 50160

Integrated power quality monitoring

Voltage cut, sag and swell detection

Multiple log books

Photovoltaic friendly design

 IEC 62056 - 21 and DLMS/COSEM protocol for easy integration

Enhanced TOU structure

Maximum demand



Load profile



Load control



Event log



Real-time clock



Multi-rate registration







Ingress protection



RS485 interface



RS232 interface

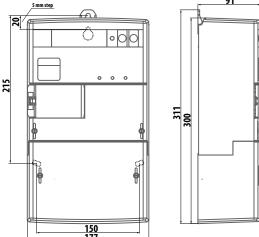


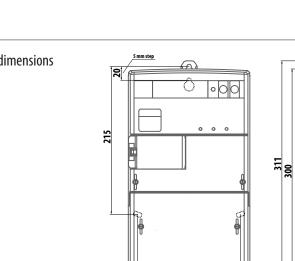
Optical port



Photovoltaic ready







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		MT880-D2I directly connected	MT880-T1I CT connected	MT880-T1I CT & VT connected
		Type overview		
Network	High voltage		•	•
	Medium voltage	•	•	•
	Low voltage	•	•	
Connection type	3P4W	•	•	•
	3P3W	•	•	•
	3P3W (two systems)	·	•	•
Communication type	31 311 (1110 3)31(1113)		RS232 , RS485	•
Output options				5 OPTOMOS outputs + 5A bistable rela
опериориона	_	Technical specificati	•	on romos carpais i sinostaste reis,
Nominal voltage Un		3 x 110/190 V 3 x 240/415 V	3 x 57.7/100 V 3 x 240/415 V	3 x 57.7/100 V 3 x 110/190 V
Voltage range		0.8 – 1.15 Un		
Reference frequency		50 Hz ±2 % or 60 Hz ±2 %		
Current	Nominal current In	-	1 A, 1.5 A, 2	A, 5 A, 5//1 A
	Base current lb	5 A, 10 A	-	-
	Maximal current Imax	120 A	Version 1: 6 A, 10 A Version 2: 20 A(In = 5 A)	6 A, 10 A
Accuracy class	Active energy	B (EN 50470 - 3), Class 1 (IEC 62053 - 21) Calibrated to 0,5%	B or C (EN 50470 - 3), Class 1 (IEC 62	053 - 21), Class 0.5S (IEC 62053 - 22)
	Reactive energy	Class 1 (IEC 62053 - 24), Class 2 (IEC 62053 - 23)		
	Apparent energy	Calibrated up to 1%		
Real-time clock	Accuracy	Crystal: $< 5 \text{ ppm} = \le \pm 3 \text{ min/year} (T = +25 ^{\circ}\text{C})$		
	Back-up power supply	Super-Cap: > 15 days, charging time 250 hours Super — Cap + Li battery : 10 years		
External power supply	Value	– 57.7 – 240 V AC/DC		
	Tolerance	-	0.8 – 1.15 Un	
	Frequency (only for AC)	-	– 50 Hz or 60 Hz	
Temperature ranges (IEC 62052 - 11)	Operation	-40 °C +70 °C		
	Storage	-40 °C +85 °C		
Ingress protection IEC 60529		IP 54		
Liquid Crystal Display		8888888888888888888888888888888888888		
		Basic functionalit	у	
Measurement		Active (import/export) and Reactive energy (import/export), 4Q Reactive, Apparent energy & demand, Phase and three phase energy/demand measurements, Maximum demand with programmable integration period		
Tariff functions			Complex time-of-use (TOU)	
Load profiles		Two independent Load profiles, Programmable and independent Load profiles period , Eight separate Event logs		
Communication		IEC 62056 - 46 (DLMS) and IEC 62056 - 21 on all communication interfaces, Independent communication channels		
Power quality			phase voltage, Power factor, Network freque	ency, Phase angles, Voltage interruptions
		Specific		
Backlit LCI	O display, Detection of opening	main and terminal cover, External magnetic field o	detector, Secured communication channels, I	Network anomalies detection
		Optional		



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