iskraemeco
BY ELSEWEDY ELECTRIC

ICG

MT880-M

High precision modular meter

Iskraemeco MT880 is a precision multi-functional meter ideally suited for large and mid-size commercial and industrial applications. It is designed to provide its users a comprehensive functionality set:

- "No power reading" option via optical port
- Voltage cut, sag and swell detection
- Internal and external power supply
- Extensive anti-tampering features
- Integrated power quality monitoring
- Multiple log books
- Photovoltaic friendly design
- SCADA interface
- IEC 62056 - 21 and DLMS/COSEM protocol for easy integration
- Enhanced TOU structure

MT880-M

Detailed monitoring

Power quality monitoring

Interoperable communication protocols

Effective network management

Exchangeable plug&play communication modules

Fulfills actual and future requirements in harsh environments

Independent customer-specific, time-based profiles

Multi range measurement system

Registering a wide range of events

Additional latching relays

Multiple event logs

Local load control

		MT880-D2..-M directly connected	MT880-T1..-M CT connected	MT880-T1..-M CT & VT connected
TYPE OVERVIEW				
Network	High voltage		•	•
	Medium voltage	•	•	•
	Low voltage	•	•	
Connection type	3P4W	•	•	
	3P3W	•	•	
	3P3W (two systems)		•	•
Communication type – on board		RS232, RS485		
Communication type – module		CS – RS485, 2G modem – RS485, MODBUS TCP/IP & RTU – Analog output, Ethernet – RS485		
TECHNICAL SPECIFICATIONS				
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		
Current	Nominal current In	–	1 A, 1.5 A, 2 A, 5 A	
	Base current Ib	5 A, 10 A	–	–
	Maximal current Imax	120 A	Version 1: 6 A, 10 A Version 2: 20 A (In = 5 A)	5//1 A, 6 A, 10 A
Accuracy class	Active energy	A, B or C (EN 50470 - 3, EN 50470-1) Class 1 (IEC 62053 - 21) Calibrated to 0,5%	A, B or C (EN 50470 - 3, EN 50470-1), Class 1 (IEC 62053 - 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%		
Temperature ranges (IEC 62052 - 11)	Operation	-40 °C ... +70 °C		
	Storage	-40 °C ... +85 °C		
Ingress protection IEC 60529		IP 54		

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