

MULTIFUNCTION POLY-PHASE AND SINGLE-PHASE METER

MX2 SERIES



DESCRIPTION

The MX2 series are fully electronics multifunction poly-phase and single-phase meter, implemented with high performance technologies to measure energy quantities for industrial and commercial applications.

APPLICATIONS

The MX2 meter is designed for weather proof suitable for outdoor and indoor installation. It is available both direct-connected and CT types.

STANDARD FEATURES

- Class 1 accuracy for direct type and Class 0.5S accuracy for CT type
- IP 54 weather-proof construction suitable for indoor and outdoor use
- 12 kV Impulse withstanding and full compliance with EMC standard
- Optical port in compliance with IEC
- AMR communication port: RS-485

OPITON FEATURES

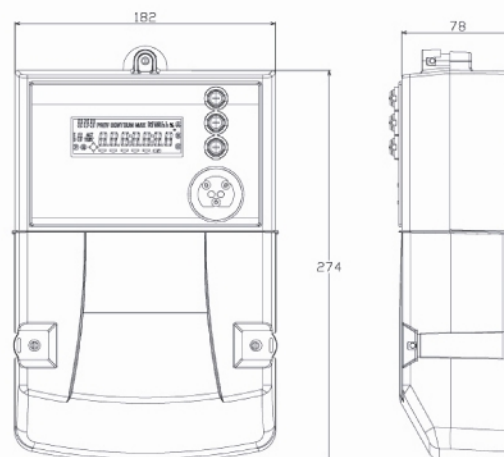
- Sophisticated TOU structure
 - 8 TOU Registers
 - 4 season types, 12 day types and 10 switch points per day
 - 440 programmable holidays
 - 2 calendars
- Power quality monitoring (PQM)
 - 19 items, such as;
 - Energy and instantaneous power per phase (e.g. W, var, VA)
 - Per phase voltage, current and frequency
 - Harmonic voltage and current, THD (up to 13th harmonics)
- Load profile recording
 - 33 channels 150 days @ 15 minutes interval
- Event log & Event counter recording
 - 25 events, 1024 records
- Anti-tampering functions (Opening cover, etc.)
- AMR communication port: RS-232

OPERATING CONDITION		Basic / Reference	Range
3-Phase 4-Wire	Voltage	3x63.5/110, 3x220/380, 230/400, 240/415	50/87V ~ 288/500V
	Current	Direct type CT type	10(100)A 5(10)A
3-Phase 3-Wire	Voltage	3x110, 120, 380, 400, 415	87V ~ 500V
	Current	CT type	5(10)A
1-Phase 2-Wire	Voltage	220, 230, 240V	154V ~ 288V
	Current	Direct type	10(100)A * Other rating are available up on request
Frequency		50 / 60 Hz	45 - 65 Hz
Temperature		25 °C	-25 °C to 70 °C
Humidity			≤ 95%RH (non-condensing)
Impulse voltage withstand		12 kV	
Over current	Continuous	1.2 I _{max} @ 30 minutes	
	Temporary	30 I _{max} @ 10 milliseconds	

ELECTRICAL CHARACTERISTICS

kWh accuracy	CT type	Class 0.5S	IEC 62053-22
	Direct type	Class 1	IEC 62053-21
kvarh accuracy		Class 2	IEC 62053-23
Power burden	Voltage Circuit	Less than 2 W/10 VA	
	Current Circuit	Less than 1 VA (at basic current)	
Starting current		5 mA	for 5(10) A rating
		40 mA	for 10(100) A rating
No-load condition	(Creep)	No change more than 1 unit of register	
Startup time		Less than 3 seconds	

Dimensions (in mm)



Terminal Cover : Extend

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Specifications subject to change without notice