

INTRODUCTION

LY-MTx00 series are new generation cost effective conventional residential electricity Meters that provide utility with high degrees of accuracy and reliability, allowing for single phase and three phase connections.

LY-MTx00 series meters are designed fully compliance with DLMS/COSEM and IEC standards and certified by DLMS, MID certification body. It's equipped with built-in RS-485 terminal type communication port to support AMR applications.



MAIN FUNCTIONS

- 4 Quadrant Measurement
- kW Demand Monitoring
- Battery
- Anti-Tamper
- Real Time Clock
- Load Profile
- TOU
- Hermetically or Ultrasonic Sealing
- 13 Billing Periods
- In Neutral* Measurement
- RS485 RS485 Port
- IP54

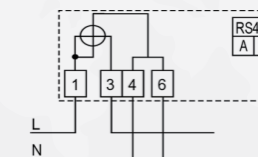
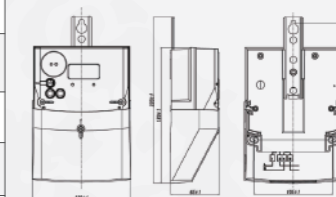
*optional



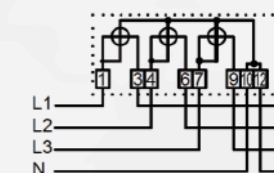
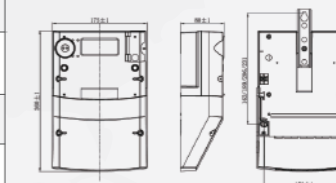
PARAMETERS		MT100	MT300	
Revenue mode		Postpaid		
Accuracy Class		Class 1 for Active Class 2 for Reactive		
Connection Type		1P2W	3P4W	
Electrical Features	Nominal Voltage	220V, 230V, 240V±30%	3x220/380V, 3x230/400V, 3x240/415V±30%	
	Basic Current	5A		
	Max Current	60A, 80A, 100A		
	Starting Current	0.003Ib		
	Frequency	50/60 Hz		
	Constant	2000	500	
	Power Consumption	0.8W, 10VA for voltage circuit 0.5 VA for current circuit		
	RTC	<0.5 s/day (IEC62054-21)		
	Communication interfaces	Optical port, RS-485		
	Environmental	Temperature Range	Operation -40°C ~ +60°C Storage -40°C ~ +85°C	
Relative Humidity		≤ 95% (no-condensing)		
IP Degree		IP54		
Mechanical Features	Meter Case Material	PC + 10% GF		
	Terminal size	9 mm	10 mm	
	Dimension LWH(mm)	180 x 130 x 65	260 x 175 x 80	
	Weight(Kg)	Approx. 0.5	Approx. 1.6	
Functional Features	Load Profile	90 days, 30 channels		
	Billing Periods	13 months		
	Event log	100		
	Data Transport Security	DLMS security suite 0, AES 128		
	Tariffs	8 Tariffs, 10 Days profile, 8 weeks profile, 8 seasons		
	Anti-Tampering	Magnetic field, Bypass (Optional), Meter cover open/Terminal cover open, Reverse energy	Magnetic field, Bypass (Optional), Meter cover open/Terminal cover open, Reverse energy, Missing Phase and/or Neutral	
	Measuring Values	kW, kWh, kVar, kVarh, kVA, V, I, F, PF		
Standards and Protocol	IEC 62052-11, IEC 62053-21/23, IEC 62056-21			

DRAWING & WIRING

MT100



MT300



LCD

MT100



MT300

