



FOR A BETTER WORLD  
PRODUCT INTRODUCTION

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win-win Cooperation



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# Three Phase LV CT Prepayment Metering Unit

## TY-MU31 Metering Unit

### Brief Introduction

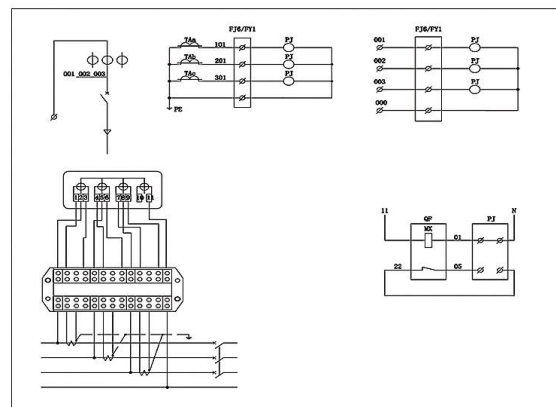
TY-MU31 Series metering unit is specially designed for the large power user and can achieve the prepayment function. It is equipped with high precision smart energy meter, which comply with STS standard and have a plug and play communication module for remote reading and controlling; current transformers; MCCB with manual reclose function; Bus bar; Surge arrester equipment and Box for outdoor usage. It is a ideal product for Utilities and Distribution company to reduce energy loss and revenue protection. It is suitable to be used for villa, commercial and industrial projects.



### Feature

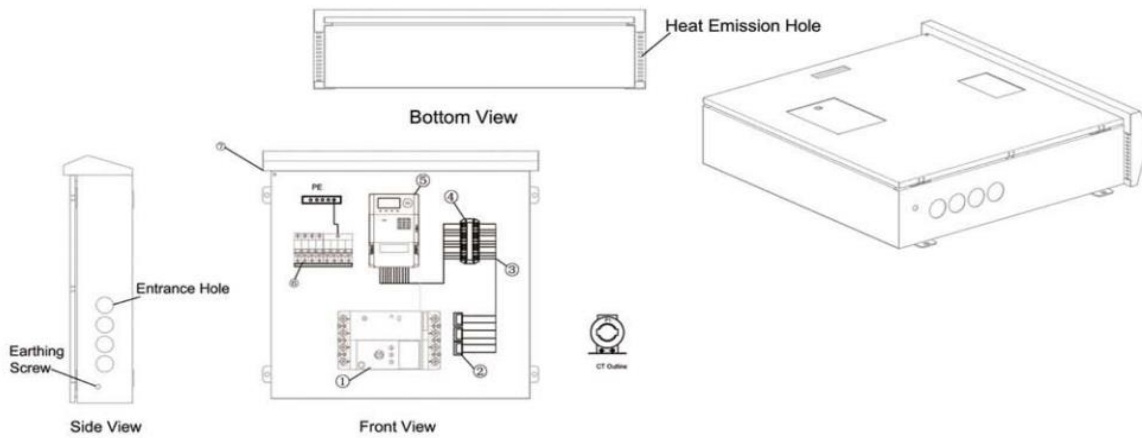
- MCCB with manual reclose
- Plug and play communication module
- High accuracy class
- Maximum demand
- Split type and recharged through UIU
- Exchange between postpaid and prepayment mode
- Outdoor usage

### Connection Diagram





## OUTLINE DRAWING



## SPECIFICATIONS ON METER

### DESCRIPTION

Accuracy  
Rated Voltage  
Operation voltage range  
Current  
Power consumption  
Protection class  
RTC

### PARAMETER

Active class 0.5s, reactive class 2.0  
3x230/400V.3X240/415V  
0.7Un-1.2ur  
1(10)A  
Voltage circuit (Un): 2W/5VA  
Current circuit (in): 0.5VA  
IP54  
<is/day (in 23°C)

## SPECIFICATIONS ON METER UNIT

### 200A metering unit

CT ratio	200/5
Box dimension	725mmx252mmx170mm
Weight	Approx. 15kg
Box material	Stainless steel 201
IP protection class	54

### 300A metering unit

CT ratio	300/5
Box dimension	700mmx480mmx210mm
Weight	Approx. 23kg
Box material	Stainless steel 201
IP protection class	54

### 500A metering unit

CT ratio	500/5
Box dimension	1000mmx800mmx250mm
Weight	Approx. 54kg
Box material	Stainless steel 201
IP protection class	54

### 800A metering unit

CT ratio	800/5
Box dimension	1000mmx800mmx250mm
Weight	Approx. 57kg
Box material	Stainless steel 201
IP protection class	54