

# DTS866

THREE PHASE ELECTRONIC KILOWATT-HOUR METER

**HUABANG**<sup>®</sup>

HUABANG METER 华邦仪表

## INTRODUCTION

Three phase active electronic kilowatt-hour meter is designed for electricity utilities residential to measure 50/60 Hz active energy consumption, the meter developed by microelectronic technology and special large-scale integrated circuits, processing by SMT technology. The Meter is adopt high reliable and long-life electric components, hi-overload, no need re-calibrate for long term operation.

**HIGHLIGHTS:** Three phase three wire or Three phase four wire is available

## FUNCTIONS

- ◆ Installation: Front board three fixed installation
- ◆ Meter cover: ABS anti flaming with transparent window
- ◆ Meter base: ABS anti flaming
- ◆ Terminal Cover: ABS anti flaming
- ◆ Display: Cyclometer 5+1 digits or LCD display 6+1 digits
- ◆ Standard configuration one port of pulse output passive (polarity)
- ◆ Forward active energy and reverse active energy measurement
- ◆ Meter accuracy comply with international standard IEC62053-21 & IEC62052-11
- ◆ Dimension: 144mm width, 228mm length, 72mm height

### ● OPTIONAL FUNCTION

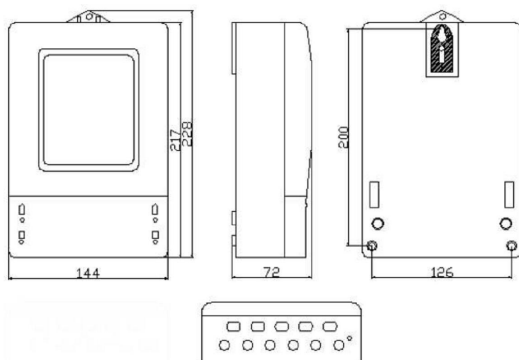
1. Communicate RS485 Modbus RTU protocol, baud rate: 1200~9600bps
2. Voltage (V); Current (A); Frequency ( Hz ); Active Power (kW); Power factor (COS)
3. Reactive Power ( kVar ); Reactive Energy ( kVarh )
3. Remote control: via RS485 cable achieve power on & off ( internal relay )



## TECHNICAL PARAMETERS

Model NO.	DTS866, DSS866
Accuracy	Active Class 0.5/1.0;
Rated voltage ( 3 wire )	3X100V, 3X208V
Rated voltage ( 4 wire )	3X115/200V, 3X220/380V ~ 415V
voltage range	0.8 ~ 1.2Un
Rated current	5(30)A, 10(40)A, 15(60)A, 20(80)A, 30(100)A ~120A
Operation current range	0.05Ib~ I <sub>max</sub>
Starting current	0.4%Ib
Rated frequency	50Hz or 60 Hz
Power consumption	2W / 10VA Per Phase
Impulse constant	400imp/kWh, 800imp/kWh, 1600imp/kWh
Relative humidity	≤ 95%
Operation temperature	-10°C ~ +60°C
Insulation capabilities	AC voltage withstand 2kV for 1 minute Impulse voltage withstand 4kV - 1.2/50μs waveform

## DIMENSION



## WIRING DIAGRAM

Direct connection ( 4wire )

