

DSS858/DTS858型

3-phase electronic active energy meter (LCD)



LCD indicate
with infrared and RS485 communicate

1. Application

DSS858/DTS858 3-phase electronic energy meter, is applied to active energy measurement of power-supply department, factory, enterprise, commercial, agricultural power and illuminate equipment. This meter adopts the large-scale circuit, 16 bits A/D transfer, digital multiplier, digital sample dealing technology and SMT technology.

It is applied to measure the frequency AC50Hz, 3-phase active energy, and LCD to indicate energy. It has direct read, and can extend the infrared and RS485 communicate function. The measure module of the meter can measure the 3-phase positive and negative active energy. And it has the advantages of high-accuracy, stable, reliable, well anti electromagnetic, low power consumption, anti-thief, wide range, long-life.

This product conforms to standard of IEC613036:2000.

2. Main technical parameter

Model No.	Type	Accuracy level	Reference voltage Un	Rated current In	Impulse constant
DSS858	3-phase 3-line	1 level or 2 level	3×100V	3×1.5(6)A	take impulse constant of meter mark as standard
				3×3(6)A	
			3×380V	3×1.5(6)A	
				3×3(6)A	
				3×2.5(10)A	
				3×5(20)A	
				3×10(40)A	
				3×15(60)A	
				3×20(80)A	
				3×30(100)A	
DTS858	3-phase 4-line	1 level or 2 level	3×57.7/100V	3×1.5(6)A	take impulse constant of meter mark as standard
				3×3(6)A	
			3×220/380V	3×1.5(6)A	
				3×3(6)A	
				3×2.5(10)A	
				3×5(20)A	
				3×10(40)A	
				3×15(60)A	
				3×20(80)A	
				3×30(100)A	

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3. Electrical parameter

Normal operated voltage	0.8-1.2 rated voltage
Insulation voltage	≥2000V(AC)
Voltage circuit consumption	≤2W和10VA

mechanical parameter

shape dimension	230mm×145mm×90mm
weight	about 3Kg

start

Under rated voltage,reference frequency and $\text{COS}\Phi=1.0$ (or $\text{SIN}\Phi=1.0$), load current is 0.004Ib(1.0 level),0.005Ib(2.0 level), meter shall continuously measure the energy.

shunt running

Voltage circuit with rated voltage 115%,current circuit break and have no current ,shall has no energy impulse output.

4.Environment

normal operate temperature: $-20^{\circ}\text{C}\sim+50^{\circ}\text{C}$

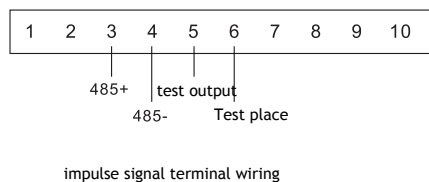
ultimate operate temperature: $-30^{\circ}\text{C}\sim+60^{\circ}\text{C}$

storage and transport temperature: $-24^{\circ}\text{C}\sim+70^{\circ}\text{C}$

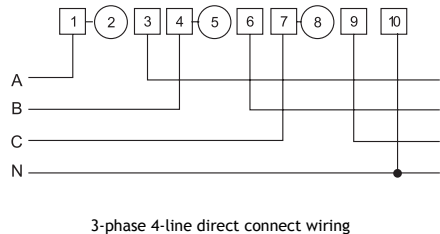
relative temperature: annual average $\leq 75\%$

5.Terminal connect diagram

◆ Functional terminal wiring

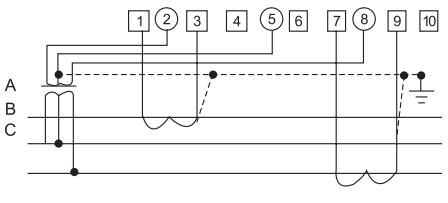
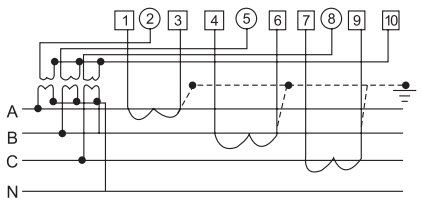
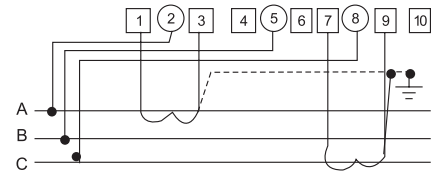
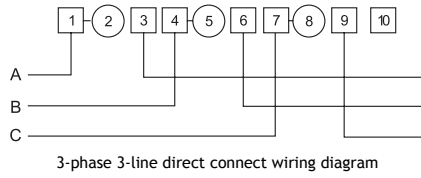


◆ Power-supply terminal wiring



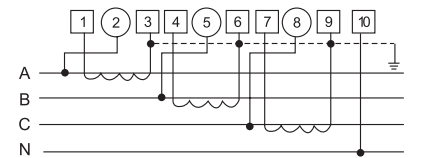
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3-phase 4-line through Current, voltage transformer wiring diagram

3-phase 3-line through Current, voltage transformer wiring diagram



3-phase 4-line through Current transformer wiring diagram

6. Install and shape dimension

