



DTS353 Datasheet



Standard

The functions of the product meet all the technical requirements of three phase electronic meter in IEC 62052-11 & IEC 62053-21 standard (static AC active power meter). The meter is intended to be installed in a Mechanical Environment 'M1', with Shock and Vibrations of low significance, as per 2004/22/EC Directive and should be installed in Electromagnetic Environment 'E2', as per 2004/22/EC Directive.

Function and Characteristic

1. Specification

Class index	Voltage (V)	Current (A)
1.0	3x220/380	5(20)A,5(30)A,10(40)A,5(50)A,
	3*230/400	10(60)A,20(80)A, 5(100)A

2. Start

The instrument can be started and recorded continuously at the reference current (see the table)

Meter	Meter grade			Power factor
	1	2	3	
Directly pass	0.004Ib	0.05Ib	0.01Ib	1.0
Via mutual inductance	0.002Ib	0.003Ib	0.005Ib	1.0

3. Creep

Its output is not more than one impulse when the voltage is 115% voltage rating, the circuit doesn't has any current.

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4. Electric parameter

Reference voltage: 0.9—1.1 voltage rating

Ultra voltage: 0.8—1.15 voltage rating

Display mode: LCD 6+1 = 999999.9kWh

Impulse constant: 800imp/kWh/1000imp/kWh

Power: $\leq 2W$, 10VA

5. Climate condition

5.1 Temperature

Normal temperature: $-20\sim 45^{\circ}C$

Ultra temperature: $-25\sim 55^{\circ}C$

Temperature for storage and transportation: $-25\sim 70^{\circ}C$

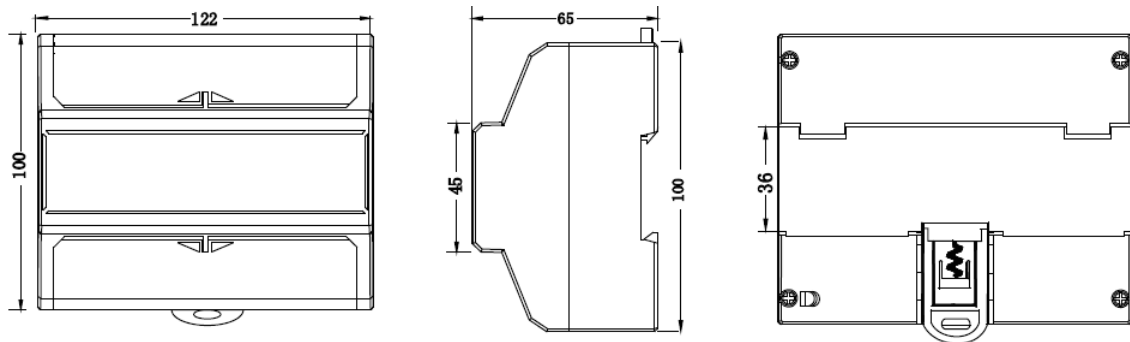
5.2 Humidity

Annual average humidity: $\leq 75\%$

30 days in a year (as natural diffusion) may reach 95%,and other time may reach 85%,sometimes.

6. Outer size: 122mmx100mmx65mm

IV. Meter Dimensions



VI. Wiring Diagram

