

# Product SPECIFICATION SHEET

## 3 PHASE 400V + N kWh METER

### DTS722



### Application

The DTS722 series power meters are DIN rail 3 phase active electronic energy meters. They adopt many advanced technologies of research and development for the power meter:

- Microelectronic techniques
- Specialized large-scale IC (integrated circuit)
- Digital sampling and processing technology
- SMT technique

Their technical performances of power meters completely conform to international standards IEC 62053-21 for Class 1 three-phase active energy meter.

DTS722 series power meters can directly and accurately measure the load active energy consumption in the three-phase AC networks of rated frequency 50/60Hz. DTS722 series have multiple types for option, to be suitable with the various market demands. DTS722 have features with excellent long-term reliability, small volume, light weight, perfect appearance, easy installation, etc.

### Functions and Features

- Available as 35mm DIN standard rail mounted, conforming to standards DIN EN 50022, as well as front panel mounted (the centre distance between two mounting holes is 63mm). Two mounted methods above are optional to users.
- 10 pole width (modules 12.5mm), complying with standards JB/T7121-1993.

#### **BRANCH CONTACT DETAILS**

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
Riverhorse	031 492 4800

#### **NATIONAL CALL CENTRE**

Sales 010 202 3400  
Technical 010 202 3500

[www.acdc.co.za](http://www.acdc.co.za)

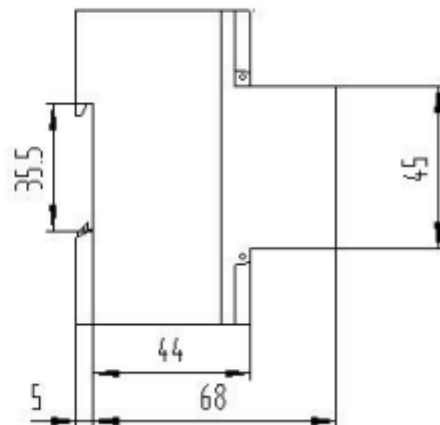
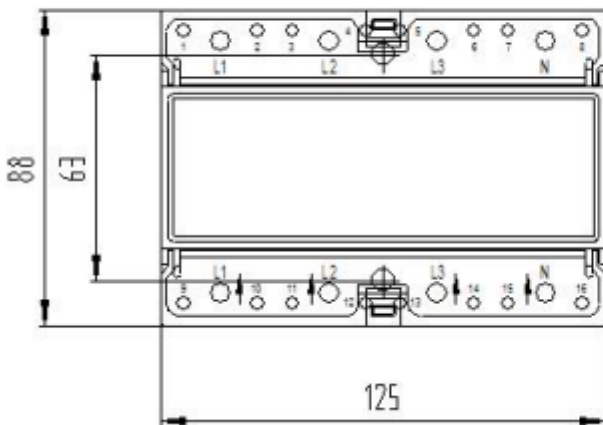
# Product SPECIFICATION SHEET

- Can select the step motor impulse register of 6 digits (999999kWh)
- Equipped with a polarity passive energy impulse output terminal, conforming to Standards IEC 62053-31 and DIN 43864
- LED indicate separately the power state on each phase, the energy impulse signal and data communication state.
- Automatic detection for the load current flow direction and will be indicated by LED.
- Measure the active energy consumption in one direction and three phase, which is not related with the load current flow direction at all, complying with Standards IEC 62053-21.
- The short terminal cover is made with the transparent PC, to reduce the installation space and is convenient for centralized installations.

## Technical parameters

Model	Accuracy	Reference Voltage(V)	Current specifications(A)	Starting current(A)	Insulation performance
XTM1250S	Class A	3×127/220 3×230/400	5A/CT,10(50)A, 10(100),5(100)A	0.01	AC voltage 4kv for 1 minute, 1.2/50us waveform impulse voltage 6kv

## Outer and mount dimension



## BRANCH CONTACT DETAILS

Johannesburg 010 202 3300  
Germiston 011 418 9600  
Cape Town 021 510 0710  
Pinetown 031 700 4215  
Riverhorse 031 492 4800

## NATIONAL CALL CENTRE

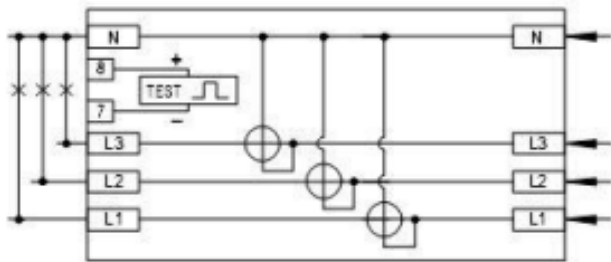
Sales 010 202 3400  
Technical 010 202 3500

[www.acdc.co.za](http://www.acdc.co.za)

# Product SPECIFICATION SHEET

## Wiring diagram (type S)

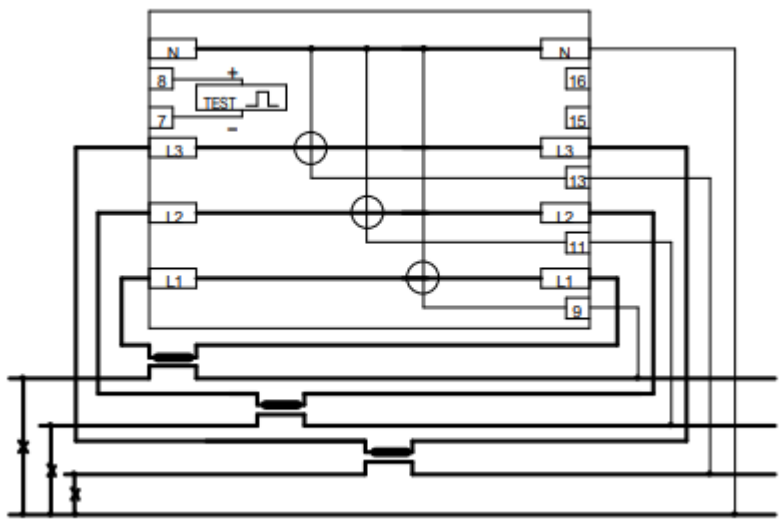
(Inlet wire from bottom, outlet wire on top)



Terminals	Note
L1	L1 Phase line
L2	L2 Phase line
L3	L3 Phase line

## Wiring diagram (type S)

(Inlet wire from bottom, outlet wire on top)



Terminals	Note
N	Neutral line
7 and 8	Passive energy impulse output port
L1	CT on Phase L1
L2	CT on Phase L2
L3	CT on Phase L3
7 and 8	Passive energy impulse output port
9	L1 Phase line
11	L2 Phase line
13	L3 Phase line
N	Neutral line

### BRANCH CONTACT DETAILS

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
Riverhorse	031 492 4800

### NATIONAL CALL CENTRE

Sales	010 202 3400
Technical	010 202 3500

[www.acdc.co.za](http://www.acdc.co.za)