Energy Management
3-phase current transformers
Type TCD1M

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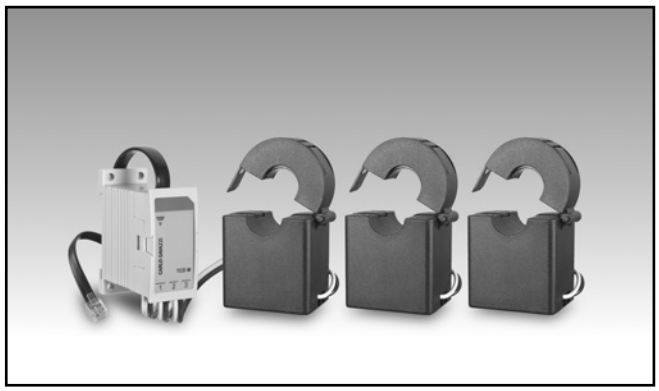


- **3-phase current transformer set compatible to EM271 energy meter**
- **Primary current 100 A**
- **Hole size 15.7 mm**
- **Auto-detection of the primary current rated value by the EM271 energy meter**
- **For cable mounting**
- **Umbilical connection to EM271 energy meter through RJ11**

Product description

Group of three split-core miniature current sensors to be used in combination with EM271 energy meter. Equipped with an RJ11 wire for a very fast installation. The energy meter automatically reads from TCD1M its primary current rated value, saving time for the user set-up. It can be mounted directly on the cables whose current is to be monitored, without need to interrupt the load power supply.

How to order

TCD1M 100 80CM X

Model
Primary current
Cable lenght
Option

Type Selection

Primary current	Cable length (RJ11 side)	Option
100: 100A primary current input	**80 CM:** 80cm	**X:** none

Specification

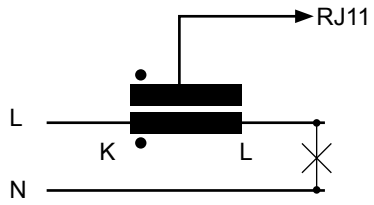
Electrical specifications

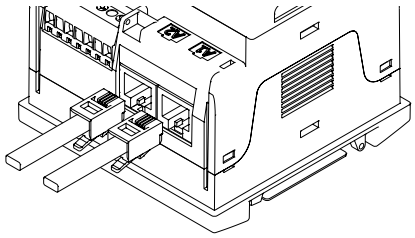
Rated Primary Current 45/65Hz	100A (1-120)
Current (continuos)	300A max
Winding DC resistance at 20°C	384Ω max
Secondary Output at	
Accuracy	1%
Linearity	0.5%
Phase error at rated current range	≤2°
Operating temperature range	-40°C to +65°C (-40°F to149°F) (R.H. < 90% non-condensing @ 40°C)
Storage temperature range	-40°C to +65°C (-40°F to149°F) (R.H. < 90% non-condensing @ 40°C)
Dieletric withstand voltage (Hi-pot)	2500V/1mA/1min
Impulse withstand voltage	5kV Peak
Insulation Resistance	DC500V/100MΩ min
Max primary cable system voltage	660V

Mechanical specification

Current transformer terminal	150cm (UL1015 22AWG PVC wire, 0.20mm²)
Current transformer housing	P6331
Opening Angle	180 degree
Approx weight	290g
Approvals	CE
Mounting	Cable Mounting
Connections	RJ11
Protection Degree	IP20
Hole Size	Max 15.7mm

Wiring diagrams





Dimensions