CVM-C10

Electrical power analyzer
with energy measurement

“An investment in knowledge always pays the best interest.”

Benjamin Franklin

CIRCUTOR

A vast range of possibilities


CIRCUTOR
CVM-C10
4W 3 Ph
V ph-N
% MAX
120
110
100
90
80
70
60
50
40
30
20
10
POWER
L1
L2
L3
Hz
cosφ
-0,5
1
+0,5
inst
analyzer

Accurate

CIRCUTOR

Accurate

Intuitive

CIRCUTOR

Accurate

Intuitive

Innovative

CIRCUTOR

Accurate

Intuitive

Innovative

Visual

CIRCUTOR

Accurate

Intuitive

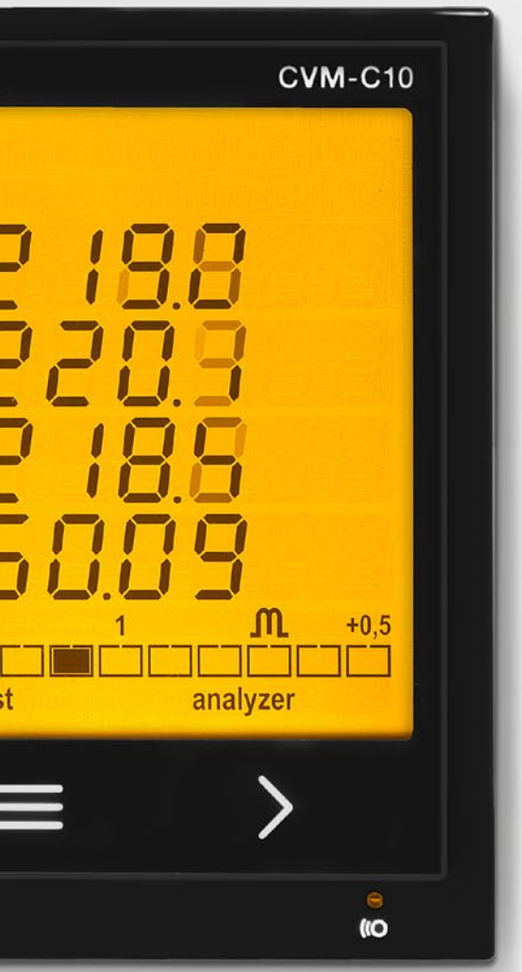
Innovative

Visual

Complete

CIRCUTOR

CVM-C10



Measurement of advanced parameters

*V, A, kW, kW·h, hours, kvar, cos φ, **kgCO_2**, **Costs***

Quick screen display

4-quadrant measurement

Capacitive control keypad

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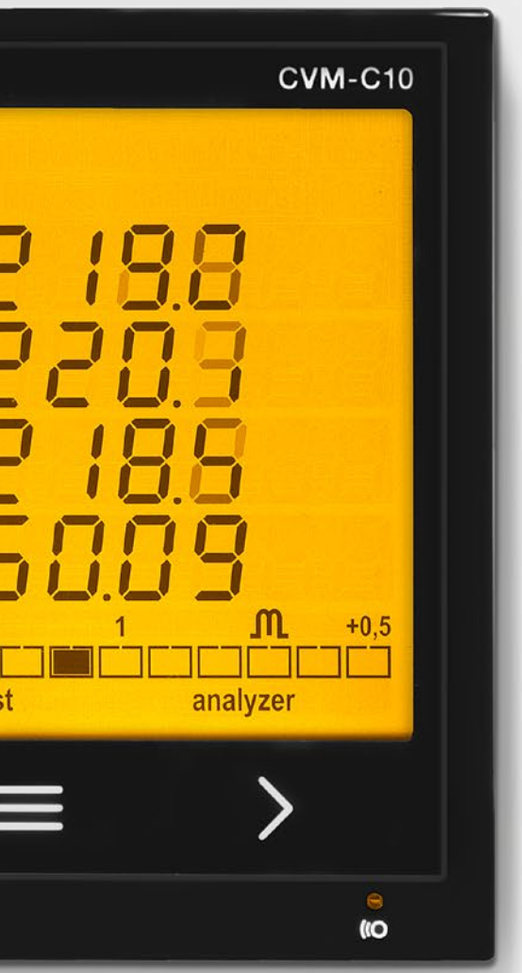

Integration

RS-485 Modbus communications

2 digital inputs

Change of tariffs or detection of logic state of external signals

2 digital transistor outputs

Generation of impulses or alarms

2 digital outputs per relay

Alarm generation

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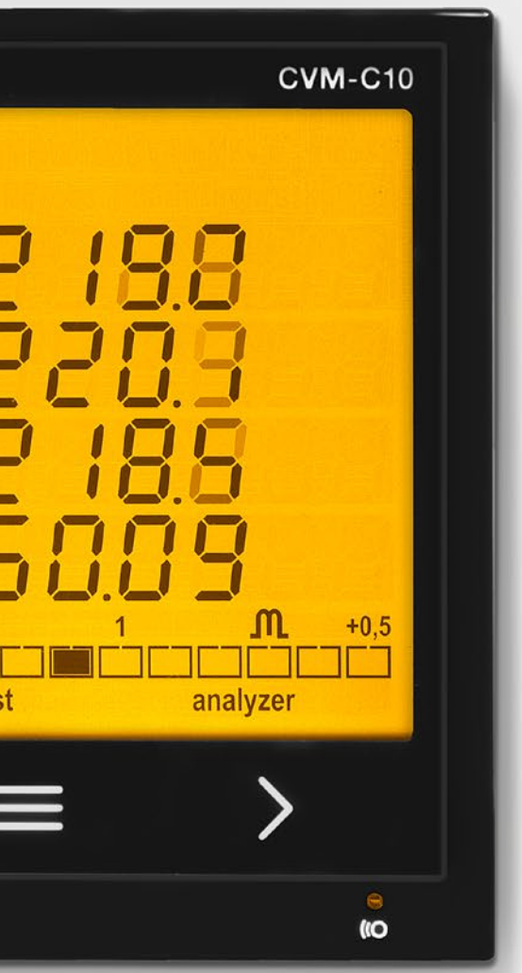

New measurements

Consumption and Generation measurement icon.

Display of type of network connected.

Total Energy, Hours, Costs and Emissions and for each Tariff.

3 tariffs. Selectable by digital input or communications.

Units in Kilos and Megas per parameter. Autoscaling.

Display of numerical data, per phase (instantaneous parameters), per tariff (incremental parameters).

Graphic information. Analogue display for instantaneous power and power factor.

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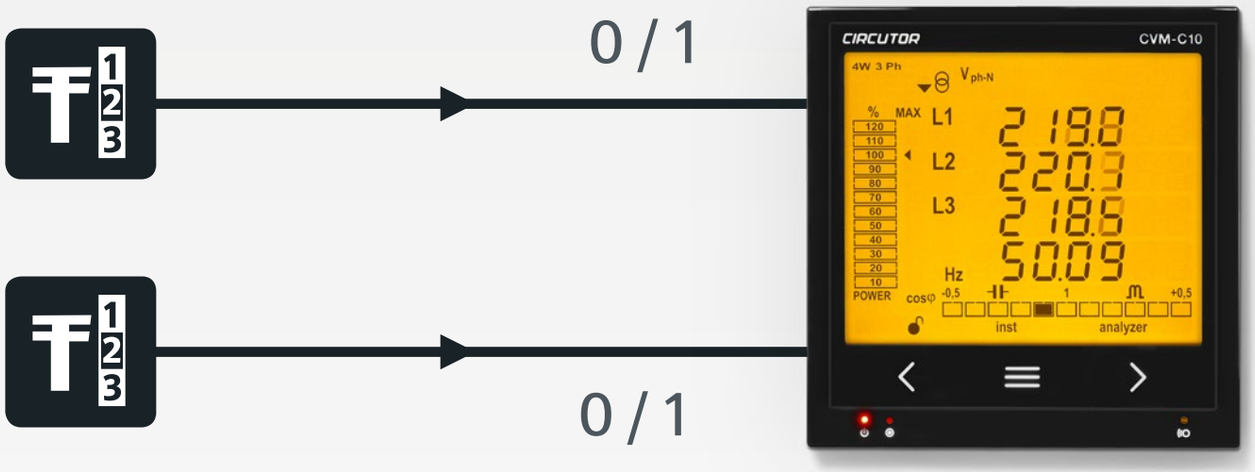
IN function



2 potential-free digital inputs

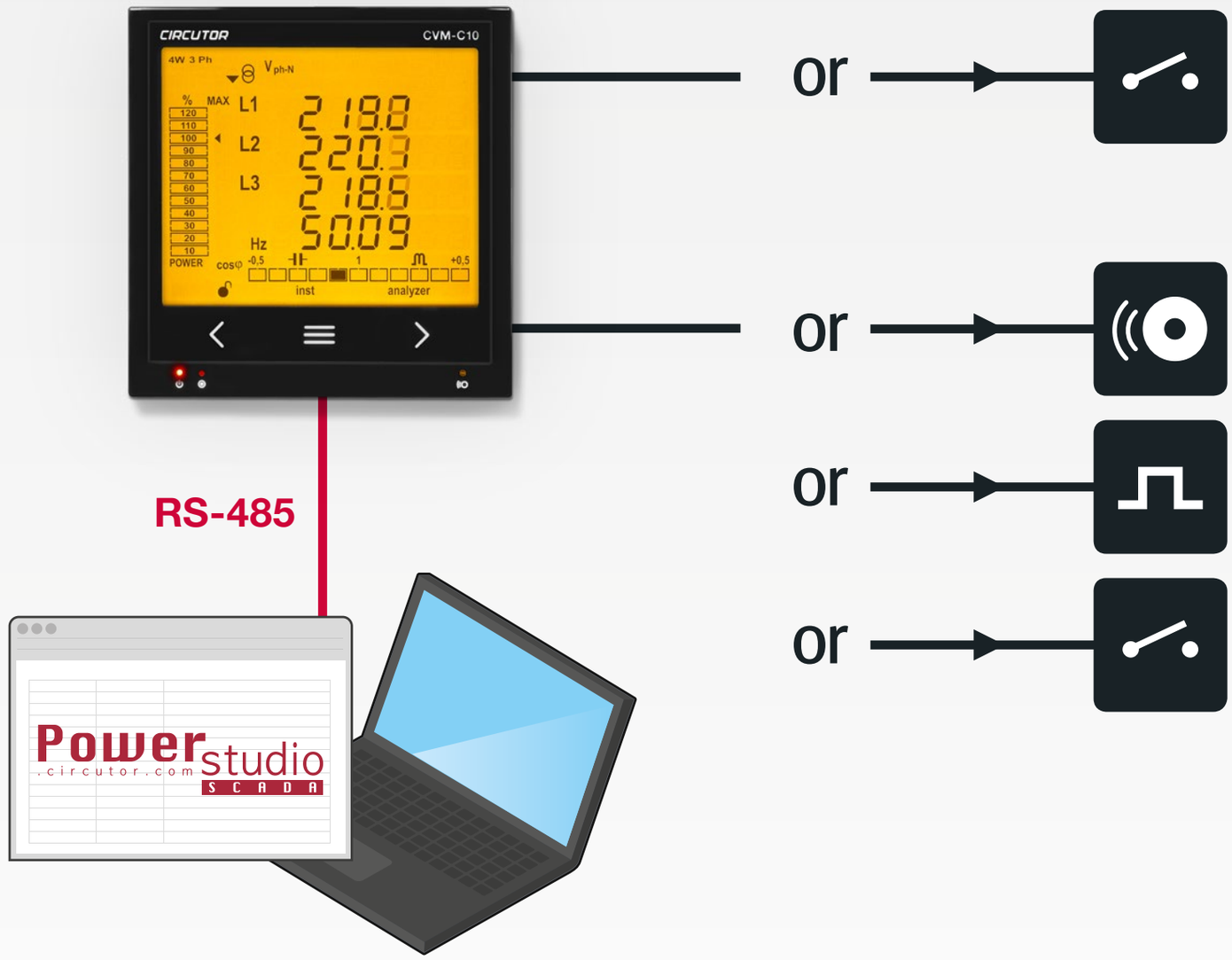
- Selection from three tariffs
- Detection of logic states

Transistor OUT function

2 digital transistor outputs

- Generation of impulses
- Alarm control
- Communications control

Compatible with the
PowerStudio
SCADA system



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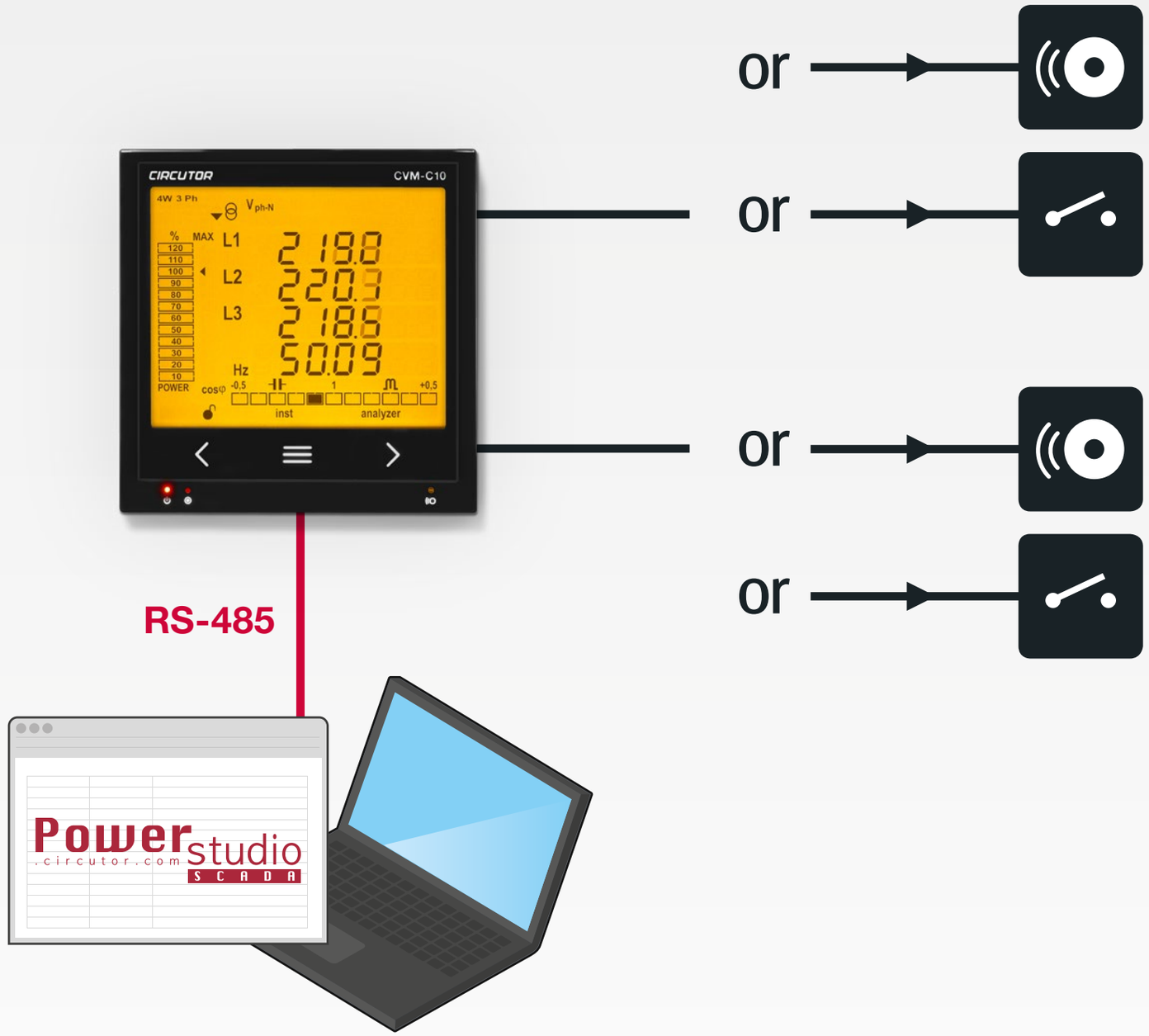
Relay OUT function

2 digital relay outputs

- Alarm control
- Communications control



Compatible with the
PowerStudio SCADA system

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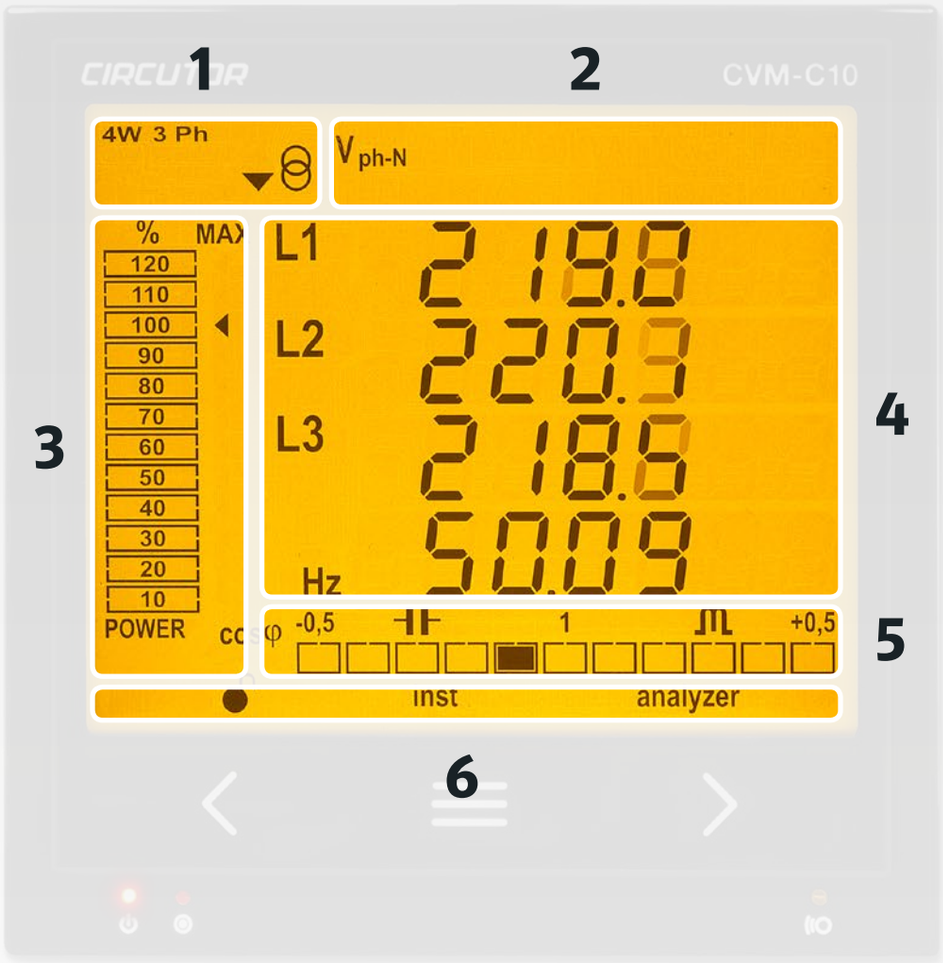
Screen display



1. Configuration of measurement system
2. Units
3. Instantaneous Power percentage and maximum reached
4. Numerical data: by Phase or Tariff
5. PF analogue display
6. Display status and profile
   Analyzer / e3 / User

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Production Plants

Enables on-screen cost allocation and control

Adapts to different types of network

Avoids excessive consumption peaks

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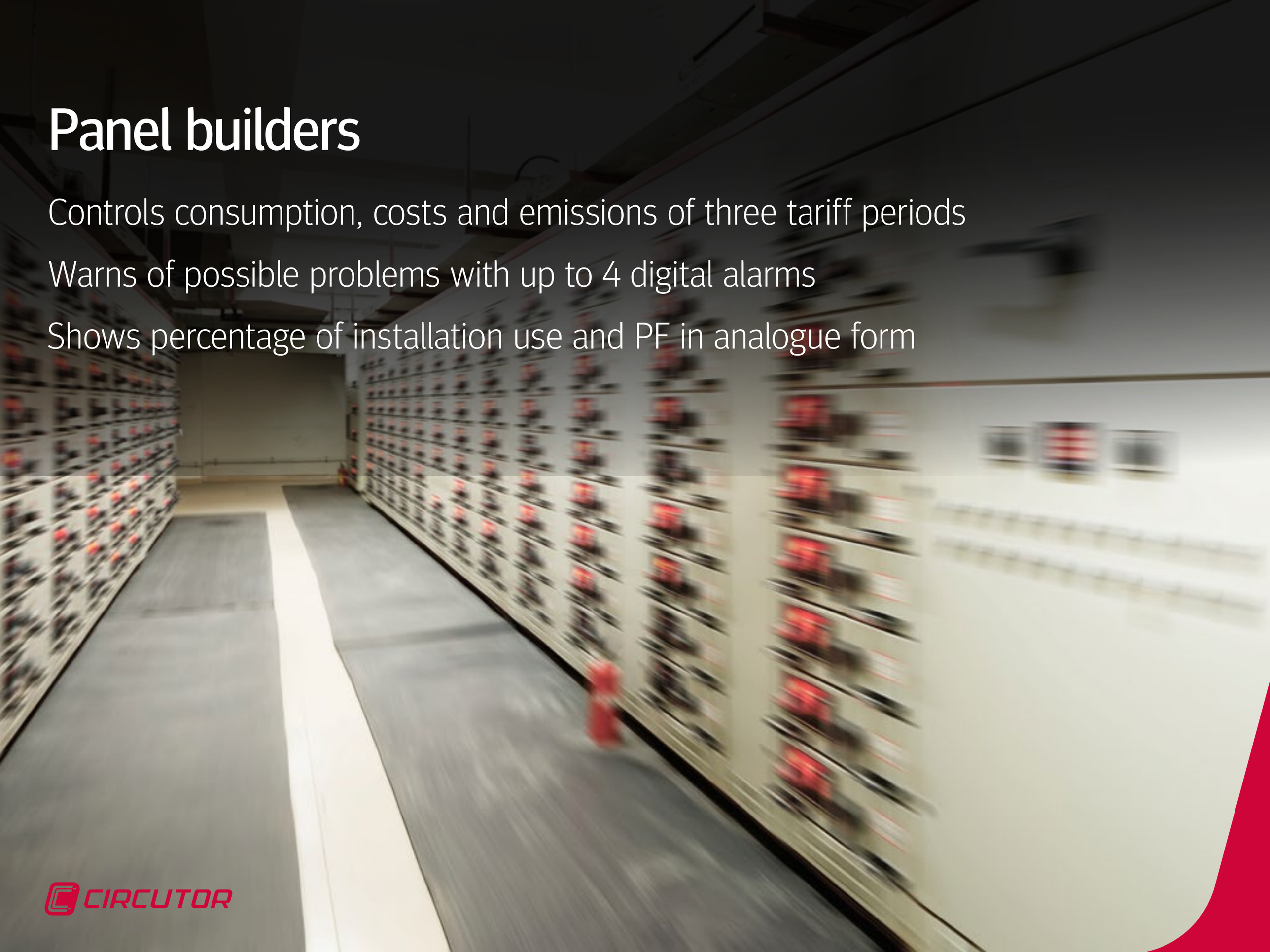
Panel builders

Controls consumption, costs and emissions of three tariff periods

Warns of possible problems with up to 4 digital alarms

Shows percentage of installation use and PF in analogue form



Photovoltaic panels

Controls generation, consumption, costs and emissions of three tariffs

Generates generation or demand overpower alarms

Accepts wide scale ranges. Autoscaling from kWh to MWh

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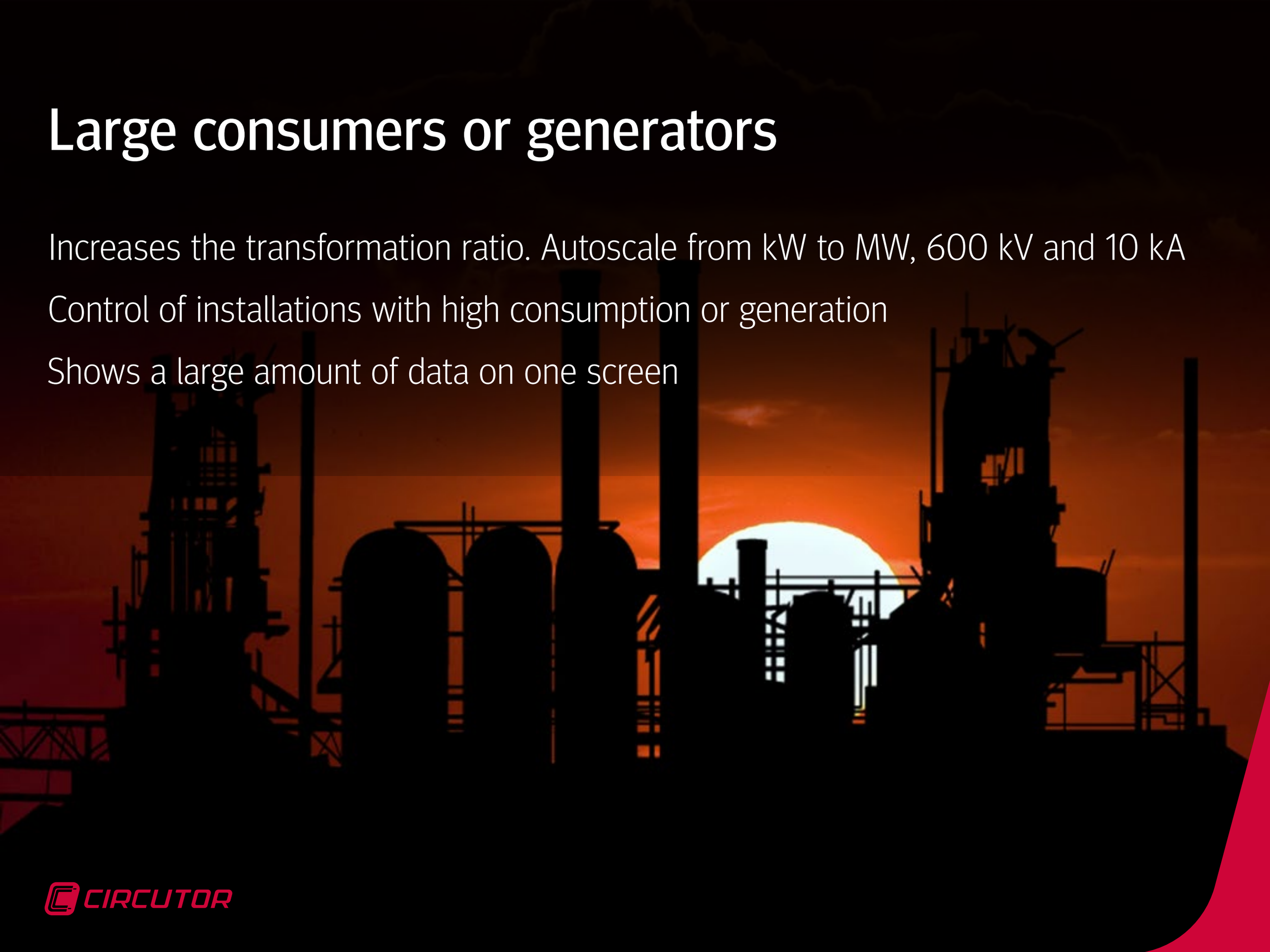
Large consumers or generators

Increases the transformation ratio. Autoscale from kW to MW, 600 kV and 10 kA

Control of installations with high consumption or generation

Shows a large amount of data on one screen



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Other features

- Indirect power analyzer with 4-quadrant measurement
- Compact enclosure for panel in 96x96
- Encapsulated capacitive keyboard
- Backlit CUSTOM LCD
- IP64 front panel protection
- Switched power supply 85...265 Vac / 95...300 Vdc
- 4 voltage inputs (3 phases + Neutral)
  - 300 Vac P-N / 520 Vac P-P
- 3 or 4 current inputs according to version
  - Standard ../5 A and ../1 A
  - Version with neutral current input
  - MC../250 mA (for transformers **MC1** and **MC3**)
- Voltage and Current Accuracy = 0.5%
- Power and Energy Accuracy = 1%
- Transformation ratios
  - Primary V : 600 000
  - Primary A : 10 000
    (While PrimV x PrimA < 2,000 million)

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New generation of power analyzers

96

144

CVM-C5

Multifunction multimeter with energy measurement

CVM-C10

Electrical Power Analyzer with energy measurement

CVM-B100 / CVM-B150

Electrical Power Analyzers with energy measurement and innovative interface

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TC, MC

Wide range of measurement transformers

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Technology for energy efficiency

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