



# TRIPHASOR

**ELECTRIC  
OPERATING**

*Identify phases, balance and optimize  
the electrical network*



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**FRANCE**



# ● TRIPHASOR

***Identify phases, balance and optimize the electrical network***

## ➤ FUNCTIONS

TRIPHASOR is an instrument for optimizing the operation of electrical distribution networks. It measures the electric grid characteristics in real time, and enables the identification of each phase on a phased network.

TRIPHASOR is used on live low tension networks, under load.





## ➤ USE PRINCIPLE

Triphasor consists of a transmitter and a receiver, both can be used on a live LV electric network. The transmitter must be connected in a substation using the voltage LV cords and the current Rogowski clamps. The receiver allows phase identifying wherever it is connected between phase and neutral, anywhere on the live network.

TRIPHASOR measures :

- ✓ Voltages, currents,  $\cos \varphi$  in the substation
- ✓ Voltages, currents,  $\cos \varphi$  at the measurement location on the network
- ✓ Voltage drops, unbalancing rates between phases, and current percentage in each phase.

## ➤ TECHNICAL CHARACTERISTICS

RECEIVER		<ul style="list-style-type: none"> <li>- 230 V/400 V ~</li> <li>- IP 22</li> </ul>	<ul style="list-style-type: none"> <li>- 540 x 390 x 240 mm</li> <li>- 10,65 kg</li> <li>- Measurement accuracy : Rms voltage : 1 % Rms current : 2 % Power factor : 5 %</li> <li>- De -20 °C à +70 °C, 90 % relative humidity without condensation</li> </ul>
TRANSMITTER		<ul style="list-style-type: none"> <li>- 230 V/400 V ~</li> <li>- IP 22</li> </ul>	<ul style="list-style-type: none"> <li>- 540 x 390 x 240 mm</li> <li>- 10,65 kg</li> <li>- Measurement accuracy : Rms voltage : 1 % Rms current : 2 % Power factor : 5 %</li> <li>- De -20 °C à +70 °C, 90 % relative humidity without condensation</li> </ul>

