



Balance and optimize your low voltage distribution network



TRIPHASOR

Made

Electrical, Gas, and Safety

APPLICATION

TRIPHASOR is an instrument for optimizing the operation of electrical distribution networks. It measures the electric grid characteristics in real time, and permits the identification of each phase on a tri-phase network. TRIPHASOR is used on live low tension networks, under load.

FUNCTIONS

	TRANSMITTER	RECEIVER
Description	Measurement Instrument	Measurement Instrument
Connection point	Tri-phase connection on a low voltage feeder from a medium voltage/ low tension transformer	Mono-phase connection at any point of the low tension network downstream of the transmitter
Functions	<u>Local results</u> : - Values of U, I, and Cos phi on the three phases - Data scanning and transmission by carrier current -Phase rotation direction	<u>Phase identification and balance</u> : Reception of values transmitted by the transmitter at the connection point Local values : - Current in each phase, Line current drop, Cos phi - Balance and 'current per phase' percentage

PRINCIPE OF OPERATION


<ul style="list-style-type: none"> - Phase identification - Connection quality verification - Transformer environment management - Unbalance information always available - Technical loss minimization 	Exploitation and intervention costs reduction (amortization in 3 measurement campaigns) Investment reduction or postponement (Example : high voltage/ low voltage transformers prematurely surcharged because of an incorrect wrong mono-phase load distribution)
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TECHNICAL CHARACTERISTICS

	TRANSMITTER	RECEIVER
Measured parameters	RMS values, mini, max, average	
Value accuracies	U rms 1%	
	I rms 2%	
	Cos Φ 5%	
Power	Phase 1 and 2 of a low tension network	7,2V – 7AH Battery
Utilization	t° range (°C) : - 20 to 70 / relative humidity : 10% to 90%	

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Standard :

NF EN 61000-6-3 and NF EN 61000-6-1. TRIPHASOR is  marked

In order to improve their equipments, MADE is reserving its rights to modify the products described in that documentation, at any time and without prior notification.



MADE

S.A. au capital de 270 **130 €**
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