

## TWO NEW VERSIONS AVAILABLE FOR A COUNTLESS NUMBER OF APPLICATIONS

Two new analyzers - T15AL and T15SC - complete the line of the Three-Phase Energy Meters produced by Elcotronic Srl. Besides a wide range of measurements, these units are provided with a direct relay output to display alarms or cutoff loads.

	Volt	Amp	Cos $\phi$ • P.F.	KW	Hz	KVAR	KVA	KVARh	KWh	KVAR $\pm$	average kVA	average kW	average Cos $\phi$	KVA peak	KW peak	Temperature
<b>3 Phase</b>	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	
<b>L1</b>	✓	✓	✓	✓		✓	✓									
<b>L2</b>	✓	✓	✓	✓		✓	✓									
<b>L3</b>	✓	✓	✓	✓		✓	✓									

EM3D-T15AL1

### TO DISPLAY FAULTS IN THE ELECTRICAL SYSTEM

- EM3D-T15/AL1 one output relay on alarms
- EM3D-T15/AL2 two output relays on alarms



This instrument with the outputs positioned on alarms is used to warn of any variations in the system. Eight different parameters can be set as follows:

Volt min	on L1 - L2 - L3	e.g. 200V phase-neutral
Volt max	on L1 - L2 - L3	e.g. 230V phase-neutral
Amp min	on L1 - L2 - L3	e.g. 60A
Amp max	on L1 - L2 - L3	e.g. 100A
Cos $\phi$ min	on L1 - L2 - L3	e.g. 0.90
kW max	on L1 - L2 - L3	e.g. 100kW
T max	temperature in °C with the use of one or two probes	

**VOLTAGE:** it is useful to know if one phase is faulty or if there are any variations in the line which may damage the equipment connected.

**CURRENT:** it is advisable to check that the three phases are as much balanced as possible both for the minimum and maximum current value.

Knowing if the T.H.D. value is high avoids problems with the units and PC.

Constant monitoring of the Cos $\phi$  value avoids penalties which increase the cost of your bill.

If you know the instant power absorbed in kW, you can easily monitor your energy consumptions and avoid wastes.

Being sure that TEMPERATURE does not exceed its set threshold limits improves safety and proper equipment operation.

### TO CONTROL DEMAND

- EM3D-T15/SC1 one output relay on load cutoff
- EM3D-T15/SC2 two output relays on load cutoff



EM3D-T15SC

This instrument with the outputs positioned on the Max Load function allows managing non-priority loads in an industrial site, to make sure that consumed power does not exceed the contract limit. The EM3 warns when the two values get closer and demand is likely to exceed its limit; in this case the internal relay exchanges contacts.