



## **DIRIS<sup>®</sup> A**

PMD multifunction measurement units  
for managing your electrical networks



# Monitor your networks to optimise availability and consumption

Growing increasingly important for industrial and service sectors is the performance of electrical networks which are now under constant scrutiny. Proper management of electrical networks will improve their reliability and efficiency, increasing continuity of service and reducing costs. The need for constant, qualitative monitoring requires a high-performance, tried and tested measuring system, which is adapted to your specific business requirements.



## Reduce costs

All industrial or service sector activities are faced with the need to minimise operating and maintenance costs. In this kind of approach, the measurement system is a key component, enabling energy quality to be monitored.

## Reduce production losses

The measurement system is at the heart of any solution designed to prevent electrical incidents, or even production downtime, which often generate significant financial losses or material wastage.

## Improve the efficiency of the installation

Combined with energy management software, the measurement system is a key factor in identifying malfunctions within the installation, which can then lead to improved energy efficiency.

# DIRIS<sup>®</sup> A

A comprehensive range of solutions for efficient management of your electrical networks



A range of formats, increased capacities, software to make it more user-friendly, and, finally, tailored guidance from a specialist...

There are a wealth of reasons to choose our innovative measurement units for your energy management solutions.

## ■ Upgradeability










DIRIS A units can be adapted to the varying needs of multi-function measurement applications: plug-in optional modules allow additional functions to be added at any time.

## ■ Ease of use

Equipped with a large backlit screen, DIRIS A units display a number of indications, whilst remaining easy to view. The direct access keys (four to six depending on the model) enable optimum use of the available functions. DIRIS A units are easy to install: the Easy Config software can be used to quickly and easily create, edit and save configurations.

# The benefits of the **DIRIS A** range

For DIN rail		Embeddable					
							
				Differential current monitoring			
Functions		Network monitoring Performance Monitoring Device (PMD) Standard IEC 61557-12				Events analysis Standard EN 50160	
Dimensions		Modular		72 x 72	96 x 96		
Applications		Service sector	industry and infrastructures with sub-billing (MID)	Service sector, motor output	infrastructures, data centre, industry		Healthcare buildings, infrastructures, data centre, industry

## Performance

The accuracy class of the measurement units is essential in reducing energy consumption. DIRIS measurement units can measure and display over two hundred parameters with a very high-level of accuracy.

## Compliant with IEC 61557-12

A highly stringent requirement, IEC 61557-12 is specifically designed to regulate measuring and monitoring devices (PMD). Adherence to this standard is the guarantee of a high level of quality and performance.

## Events analysis

DIRIS A60 and A80 analyse the energy quality via a detailed breakdown of harmonics and identification of troughs, outages, overvoltages and overcurrents on the electrical network. Their method of measuring the electrical network voltage are compliant with the requirements of standard EN 50160. Using an event log and an interpretation of the curves, the Analysis software allows quality-based data to be analysed and exported, alongside differential current monitoring (DIRIS A80).

## Differential current monitoring

In addition to ensuring smart energy management for electrical installations, the DIRIS A80 includes an RCM (Residual Current Monitoring) differential current monitoring function. This function is used to control the energy quality whilst preventing any unwanted installation downtime.

## Bi-directional MID meter

For your sub-billing requirements, choose the Socomec multifunction meters with MID certification.

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