



## Energy management

The DIRIS system consists of products and software suitable for all types of electrical networks for the management and monitoring of electrical parameters, the metering of energies or impulses, the management of electrical energy from 10 minute average power, the monitoring/control of installations with PC or PLC communication.

### DIRIS A20 (96 x 96mm<sup>2</sup> panel mounting) basic version

new



4825 0200

- display: LCD backlit display
- TRMS measurement of :
  - current (per phase)
  - voltage (phase-to-neutral and phase-to-phase)
  - frequency
  - active power (total instant and over programmable period)
  - reactive power
  - apparent power
  - power factor
  - positive active energy meter
  - positive reactive energy meter

Auxiliary power: 100-400VAC ±10% 50/60Hz

type	description	price
4825 0200	electrical network analyser (base unit)	
<b>Optional Accessories for DIRIS A20</b>		
4825 0080	plug-in pulse output module (1x 0.5A-10VA)	
4825 0082	plug-in communication module RS485 JBUS/MODBUS	

### DIRIS A40 (96 x 96mm<sup>2</sup> panel mounting) high end version



4825 0201

DIRIS A40 and A41 are multi-function meters for measuring the extent of electrical values for all LV/HV networks, permitting front panel configuration and display of all electrical parameters exploring, functions of measurement, metering energy management and harmonics analysis

- TRMS measurement of :
  - current (per phase and instantaneous neutral, average and max. values over a predefined period)
  - voltage (phase-to-phase and phase-to-neutral)
  - frequency (instantaneous, average and maximum)
  - active power on 4 quadrants per phase and total
  - reactive power on 4 quadrants per phase and total
  - apparent power per phase and total
  - power factor power per phase and total
  - harmonic distortion (thd) up to 63rd in voltage and current values

4825 0201	A40 electrical network analyser (base unit)
4825 0202	A41 base unit with additional neutral CT measurement

### Auxiliary supply 12...48VDC

4825 1201	A40 electrical network analyser (base unit)
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### Optional Accessories for DIRIS A40/41

4825 0090	plug-in pulse output module (2x outputs)
4825 0092	plug-in communication module RS485 JBUS/MODBUS
4825 0093	plug-in analogue output module (2x outputs)
4825 0094	plug-in 2x inputs and 2x outputs module
4825 0097	plug-in memory module (for storing of recorded info.)

### Accessories

4806 0000	DIRIS vision software (visualisation software)
4805 0000	Control vision software (control software) + BMS system

4825 0089	IP65 protection cover for DIRIS A20/A40/A41
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4825 0094