

Selection guide




Multifunction meters

DIRIS

Which application?



Which functions?

| | |  |  |  |
|---|---|--|---|---|
| | | DIRIS A-10 <i>p. 364</i> | DIRIS A-14 DIN <i>p. 368</i> | DIRIS A-14 96 x 96 <i>p. 368</i> |
| | Functions | CURRENT TRANSFORMERS | | |
| General characteristics | Remote display | | | |
| | Number of loads | 1 | 1 | 1 |
| | Mounting | DIN | DIN or 96*96 | DIN or 96*96 |
| | Power supply | AC | AC | AC |
| | All In One | • | • | • |
| | Optional modules | | | |
| | Ethernet (Modbus TCP / Bacnet IP) | o / - | o / - | o / - |
| | RS485 (Modbus / Bacnet MSTP) | • / - | • / - | • / - |
| | Profibus DPV1 | | | |
| | Webserver / File export | o / - | o / o | o / o |
| Max. number of inputs (digital / analogue) | 1 / - | | | |
| Max. number of outputs (digital / analogue) | 1 / - | | | |
| Manage energy consumptions | 4-quadrant energy metering | • | • | • |
| | Load curves (local memory) | | • | • |
| | Rebilling of energy (MID approved) | | • | • |
| | Multi-tariff management | 2 | 4 | 4 |
| Monitor the electrical installation | Instantaneous, average, min and max values | • | • | • |
| | Voltage unbalance measurement | | | |
| | Neutral current (measured / calculated) | - / • | - / • | - / • |
| Check the power quality | Harmonic analysis (THD / Individual) | • / - | • / - | • / - |
| | Dip and swell detection | | | |
| | Overcurrent detection | | | |
| | 1/2 cycle RMS curves on events | | | |
| Manage the loads | Operating hours | • | | |
| | Number of operations (info / alarm) | | | |
| | Protective device monitoring (on / off / tripped) | • | | |
| | Predictive power analysis and load shedding | | | |

•: integrated in the product.

o: optional via DIRIS Digiware M-50/M-70 or modules.

Which dimensions?

Which communication protocol?

Which options?



DIRIS A-20
p. 372

DIRIS A-30/A-41
p. 376

DIRIS B-10L
p. 386

DIRIS B-30
p. 386

DIRIS A-40
Modbus
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DIRIS A-40
Modbus +
Profibus
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DIRIS A-40
Modbus +
Ethernet
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CURRENT TRANSFORMERS

SMART SENSORS

| CURRENT TRANSFORMERS | | SMART SENSORS | | |
|----------------------|---------------|---------------|--------|---------|
| 1 | 1 | • | • | • |
| 96 x 96 | 96 x 96 | 1 to 4 | 1 to 4 | 1 |
| AC | AC/DC | DIN | DIN | 96 x 96 |
| • | • | AC | AC | AC/DC |
| 0/- | 0/- | • | • | • |
| •/- | •/- | •/0 | •/0 | -/- |
| 0 | 0 | •/0 | •/0 | •/- |
| 0/0 | Via DIRIS G | 0 | 0 | - |
| 3/- | 6/4 | 0/0 | 0/0 | • |
| 1/- | 6/4 | 2/2 | 2/2 | 0/0 |
| • | • | • | • | • |
| • | 0 | • | • | • |
| • | • | 8 | 8 | 4 |
| • | • | • | • | • |
| • | • | • | • | • |
| -/• | • (with A-41) | •/• | •/• | -/• |
| •/- | •/• | •/- | •/• | •/• |
| • | • | • | • | • |
| • | • | • | • | • |
| •/- | •/- | • | • | • |
| • | • | • | • | • |
| • | • | • | • | • |