

# Selection guide

## Diris

Which application?

Which functions?

Which dimensions?

					
<b>DIRIS A-10</b>	<b>DIRIS A-14 DIN</b>	<b>DIRIS A-14 96 x 96</b>	<b>DIRIS A-20</b>	<b>DIRIS A-30/A-41</b>	<b>DIRIS A-60</b>
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Functions	CURRENT TRANSFORMERS					
<b>General characteristics</b>						
Remote display						
Number of loads	1	1	1	1	1	1
Mounting	DIN	DIN or 96*96	DIN or 96*96	96 x 96	96 x 96	96 x 96
Power supply	AC	AC	AC	AC	AC/DC	AC/DC
All In One	•	•	•			
Optional modules				•	•	•
Ethernet (Modbus TCP / BACnet IP)	o / -	o / -	o / -	o / -	o / -	o / -
RS485 (Modbus / BACnet MSTP)	• / -	• / -	• / -	• / -	• / -	o / -
LoRaWAN						
Profibus DPV1					o	
Web server / File export	o / -	o / o	o / o	o / o	Via DIRIS Digiware M-70	
Max. number of inputs (digital / analogue)	1 / -			3 / -	6 / 4	6 / 4
Max. number of outputs (digital / analogue)	1 / -			1 / -	6 / 4	6 / 4
<b>Manage energy consumption</b>						
4 quadrant energy metering	•	•	•	•	•	•
Record consumption		•	•		o	•
Rebilling of energy (MID)		•	•			
Multi-tariff management	2	4	4			
<b>Monitor the installation</b>						
Instantaneous, average, min and max values	•	•	•	•	•	•
Voltage unbalance measurement					•	•
Neutral current (measured/calculated)	- / •	- / •	- / •	- / •	• (with A-41)	•
<b>Checking the power quality</b>						
Harmonic analysis (THD/Individual)	• / -	• / -	• / -	• / -	• / •	• / •
Detection of dips and interruptions						•
Overvoltage detection						•
1/2 cycle RMS curves on events						•
<b>Equipment management</b>						
Operating hours	•			•	•	•
Number of operations (info / alarm)				• / -	• / -	• / -
Protective device monitoring (on/off/tripped)	•			•	•	•
Predictive power analysis and load shedding					•	•

•: native to the product.  
o: optional via DIRIS Digiware M-70 or D-70 gateways.

Which communication protocol?

Which options?

							
<b>DIRIS B-10</b>	<b>DIRIS B-10L</b>	<b>DIRIS B-30</b>	<b>DIRIS A-40 Modbus</b>	<b>DIRIS A-40 Modbus + Profibus</b>	<b>DIRIS A-40 Modbus + Ethernet</b>	<b>DIRIS A-100 RS485</b>	<b>DIRIS A-200 RS485 + Ethernet</b>
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<b>SMART SENSORS</b>							
•	•	•					
1 to 4	1 to 4	1 to 4	1			4	
DIN	DIN	DIN	96 x 96			Door mounted, 96 x 96 mm	
AC	AC	AC	AC/DC			AC/DC	
•	•	•	•				
•/o		•/o	-/-	-/-	•/•	-	Dual Ethernet •
•/o		•/o	•/-	•/-	•/-	•	•
o	•	o	-	•	-		
o/o		o/o	o/o	o/o	•/•	o/-	•/-
10/8 (with optional modules)			3/-			3/-	3/-
8/8 (with optional modules)			2/-			1/-	1/-
•	•	•	•			•	•
	•	•	•				
8		8	8			4	4
•	•	•	•			•	•
•	•	•	•			•	•
•/•	•/•	•/•	-/•			•	•
•/-	•/-	•/•	•/•			• / only THDs	•
		•	•			-	•
		•	•				
•		•	•			•	•
•/-	•/-	•/•	•/•			•	•
•	•	•	•			•	•
		•	•				