

Selection guide

Diris

Which application?

Which functions?

Which dimensions?

					
DIRIS A-10	DIRIS A-14 DIN	DIRIS A-14 96 x 96	DIRIS A-20	DIRIS A-30/A-41	DIRIS A-60
<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>

Functions	CURRENT TRANSFORMERS					
General characteristics						
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
Manage energy consumption						
4 quadrant energy metering	•	•	•	•	•	•
Record consumption		•	•		o	•
Rebilling of energy (MID)		•	•			
Multi-tariff management	2	4	4			
Monitor the installation						
Instantaneous, average, min and max values	•	•	•	•	•	•
Voltage unbalance measurement					•	•
Neutral current (measured/calculated)	-/•	-/•	-/•	-/•	• (with A-41)	•
Checking the power quality						
Harmonic analysis (THD/Individual)	•/-	•/-	•/-	•/-	•/•	•/•
Detection of dips and interruptions						•
Overvoltage detection						•
1/2 cycle RMS curves on events						•
Equipment management						
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?

								
DIRIS B-10	DIRIS B-10L	DIRIS B-30	DIRIS A-40 Modbus	DIRIS A-40 Modbus + Profibus	DIRIS A-40 Modbus + Ethernet	DIRIS A-100 RS485	DIRIS A-200 RS485 + Ethernet	
<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	<i>p. 2</i>	
SMART SENSORS								
•	•	•						
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	•	
		•		•		-	•	
		•		•				
•		•		•		•	•	
•/-	•/-	•/•		•/•		•	•	
•	•	•		•		•	•	
		•		•				