

# Selection guide




## Multifunction meters

### DIRIS

Which application?



Which functions?

					
		<b>DIRIS A-10</b> <i>p. 364</i>	<b>DIRIS A-14 DIN</b> <i>p. 368</i>	<b>DIRIS A-14 96 x 96</b> <i>p. 368</i>	
	<b>Functions</b>	<b>CURRENT TRANSFORMERS</b>			
<b>General characteristics</b>	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 / -				
<b>Manage energy consumptions</b>	4-quadrant energy metering	•	•	•	
	Load curves (local memory)		•	•	
	Rebilling of energy (MID approved)		•	•	
	Multi-tariff management	2	4	4	
<b>Monitor the electrical installation</b>	Instantaneous, average, min and max values	•	•	•	
	Voltage unbalance measurement				
	Neutral current (measured / calculated)	- / •	- / •	- / •	
<b>Check the power quality</b>	Harmonic analysis (THD / Individual)	• / -	• / -	• / -	
	Dip and swell detection				
	Overcurrent detection				
	1/2 cycle RMS curves on events				
<b>Manage the loads</b>	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  
*p. 382*

**DIRIS A-40**  
Modbus +  
Profibus  
*p. 382*

**DIRIS A-40**  
Modbus +  
Ethernet  
*p. 382*

**CURRENT TRANSFORMERS**

**SMART SENSORS**

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