



Selection guide

Multifunction meters

DIRIS

Which
application?

Which
functions?

Which
dimensions?

Which
communication
protocol?

Which
options?

														
		DIRIS A-10	DIRIS A-14 DIN	DIRIS A-14 96 x 96		DIRIS A-20	DIRIS A-30/A-41	DIRIS A-60		DIRIS B-10	DIRIS B-30	DIRIS A-40 Modbus	DIRIS A-40 Modbus + Profibus	DIRIS A-40 Modbus + Ethernet
General characteristics	Functions	CURRENT TRANSFORMERS				CURRENT TRANSFORMERS				SMART SENSORS				
	Remote display									•	•			
	Number of loads	1	1	1		1	1	1		1 to 4	1 to 4			1
	Mounting	DIN	DIN or 96*96	DIN or 96*96		96 x 96	96 x 96	96 x 96		DIN	DIN			96 x 96
	Power supply	AC	AC	AC		AC	AC / DC	AC / DC		AC	AC			AC / DC
	All In One	•	•	•										•
	Optional modules					•	•	•		•	•			
	Ethernet (Modbus TCP / Bacnet IP)	o / -	o / -	o / -		o / -	o / -	o / -		• / o	• / o	- / -	- / -	• / •
	RS485 (Modbus / Bacnet MSTP)	• / -	• / -	• / -		• / -	• / -	o / -		• / o	• / o	• / -	• / -	• / -
	Profibus DPV1						o			o	o	-	•	-
	Webserver / File export	o / -	o / o	o / o		o / o	Via DIRIS G			o / o	o / o	o / o	o / o	• / •
	Max. number of inputs (digital / analogue)	1 / -				3 / -	6 / 4	6 / 4		2 / 2		3 / -		
	Max. number of outputs (digital / analogue)	1 / -				1 / -	6 / 4	6 / 4		2 / 2		2 / -		
Manage energy consumptions	4-quadrant energy metering	•	•	•		•	•	•		•	•		•	
	Load curves (local memory)		•	•			o	•			•		•	
	Rebilling of energy (MID approved)		•	•										
	Multi-tariff management	2	4	4						8	8		4	
Monitor the electrical installation	Instantaneous, average, min and max values	•	•	•		•	•	•		•	•		•	
	Voltage unbalance measurement						•	•		•	•		•	
	Neutral current (measured / calculated)	- / •	- / •	- / •		- / •	• (with A-41)	•		• / •	• / •		- / •	
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.