



# Selection guide

## Multifunction meters

### MULTIS

Single-circuit metering,  
measurement &  
analysis



	Ammeter			Voltmeter			Dual source		Single source		Multifunction meter							
	MULTIS Im15	MULTIS Im35	MULTIS Vm15	MULTIS Vm15	MULTIS Vm35	MULTIS Lm35	MULTIS Lm42	MULTIS Lm24	MULTIS Lm25	MULTIS Lm46	MULTIS Lm55	MULTIS Lm56						

Measurements

	Ammeter			Voltmeter			Dual source		Single source		Multifunction meter							
I	•	•	•	•	•	•				•	•	•	•	•	•	•	•	•
U							•	•	•	•	•	•	•	•	•	•	•	•
F										•	•	•	•	•	•	•	•	•
V								•	•	•	•	•	•	•	•	•	•	•
P, Q, S, Ea, ER, PF										•	•	•	•	•	•	•	•	•
Hour run										•	•	•	•	•	•	•	•	•
Import/export (Active energy & reactive energy)										•	•	•	•	•	•	•	•	•
THD (V & I)										•	•	•	•	•	•	•	•	•
AC network	LV single phase	LV single phase	LV single phase	LV three phase	LV three phase	LV three phase	LV single phase	LV single phase	LV three phase	LV three phase	LV three phase	LV three phase	LV three phase + neutral	LV three phase + neutral	LV three phase + neutral	LV or HV three phase + neutral	LV or HV three phase + neutral	LV or HV three phase + neutral
Measurement range between phases																110 ... 440 VAC	110 ... 440 VAC	
Accuracy class	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.50
CT secondary programmable	with 1 A secondary	with 5 A secondary	Programmable 1A/5A	with 1 A secondary	with 5 A secondary	Programmable 1A/5A							1 A or 5 A	1 A or 5 A	1 A or 5 A	1 A or 5 A	1 A or 5 A	1 A or 5 A
PT programmable							•	•	•	•	•	•	•	•	•	•	•	•
Max demand indication																For current, KVA and KW	For current, KVA and KW	For current, KVA and KW

Communication

Type	Ammeter			Voltmeter			Dual source		Single source		Multifunction meter							
Type											MODBUS RS485	MODBUS RS485				MODBUS RS485	MODBUS RS485	MODBUS RS485

Auxiliary power supply

	Ammeter			Voltmeter			Dual source		Single source		Multifunction meter							
Self supplied	no	no	no	no	no	no	no	no	no	no	yes	yes	no	no	no	no	no	no
Voltage	40 ... 300 VAC/DC (+/-5%)	40 ... 300 VAC/DC (+/-5%)	40 ... 300 VAC/DC (+/-5%)	40 ... 300 VAC/DC (+/-5%)	40 ... 300 VAC/DC (+/-5%)	40 ... 300 VAC/DC (+/-5%)	40...300 VAC/DC (+/-5%)	Programmable 110 ... 600 VAC	40...300 VAC/DC (+/-5%)	Programmable 110 ... 600 VAC	60 V ... 300 V AC/DC	60 V ... 300 V AC / DC	40...300 VAC/DC (+/-5%)	40...300 VAC/DC (+/-5%)	40...300 VAC/DC (+/-5%)	100...250 VAC/DC (+/-10%)	100...250 VAC/DC (+/-10%)	
Frequency	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz	45 ... 65 Hz
Consumption	< 3 VA	< 3 VA	< 3 VA	< 3 VA	< 3 VA	< 3 VA	< 3 VA	< 3 VA	< 3 VA	< 3 VA	< 4 VA	< 4 VA	< 3 VA	< 3 VA	< 4 VA	< 4 VA	< 4 VA	< 4 VA

Case

Type	Ammeter			Voltmeter			Dual source		Single source		Multifunction meter							
Type	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting	panel mounting
Dimensions (H x W x D) (mm)	96 x 96 x 27	96 x 96 x 27	96 x 96 x 27	96 x 96 x 27	96 x 96 x 27	96 x 96 x 27	96 x 96 x 27	96 x 96 x 27	96 x 96 x 27	96 x 96 x 27	96 x 96 x 55	96 x 96 x 80	96 x 96 x 55	96 x 96 x 55	96 x 96 x 55	96 x 96 x 80	96 x 96 x 80	96 x 96 x 80
Panel cut out dimensions (H x W) (mm)	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8	92 + 0.8 x 92 + 0.8
Weight (Without Packing Box)	0.31 kg	0.31 kg	0.31 kg	0.31 kg	0.31 kg	0.31 kg	0.31 kg	0.31 kg	0.31 kg	0.31 kg	0.32 kg	0.32 kg	0.32 kg	0.32 kg	0.32 kg	0.62 kg	0.62 kg	0.62 kg
Front protection rating	IP50	IP50	IP50	IP50	IP50	IP50	IP50	IP50	IP50	IP50	IP50	IP54	IP50	IP50	IP50	IP54	IP54	IP54

Operating conditions

	Ammeter			Voltmeter			Dual source		Single source		Multifunction meter							
Operating temperature	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	-10 ... +55°C	-10 ... +55°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C

Reference

	Ammeter			Voltmeter			Dual source		Single source		Multifunction meter									
Multis	192J 9025	192J 9024	192J 9023	192J 9027	192J 9026	192J 9028	192J 9014				192J 9013	192J 9015	192J 9016	With port 192J 9114 Without port 192J 9104	With port 192J 9113 Without port 192J 9103	192J 9100	192J 9101	With port 192J 9112 Without port 192J 9111 (Lm45)	192J 9200	192J 9201