

# MULTIS M-18

## MULTIFUNCTION POWER METER

**POWERFUL . INTUITIVE . PRECISE**



### DISPLAY

จอแสดงผล LCD ขนาดใหญ่พร้อม backlit



### ACCURACY

ความแม่นยำ Class 0.5S ตามมาตรฐาน IEC 62053-22



### ADVANCED FUNCTIONS

- วิเคราะห์ Harmonics ของ V & I ได้
- มี I/O สำหรับต่ออุปกรณ์ภายนอก



### COMMUNICATION

มาพร้อมพอร์ต RS485 ในตัว รองรับการสื่อสาร MODBUS



รายละเอียดเพิ่มเติม

## ELECTRICAL CHARACTERISTICS

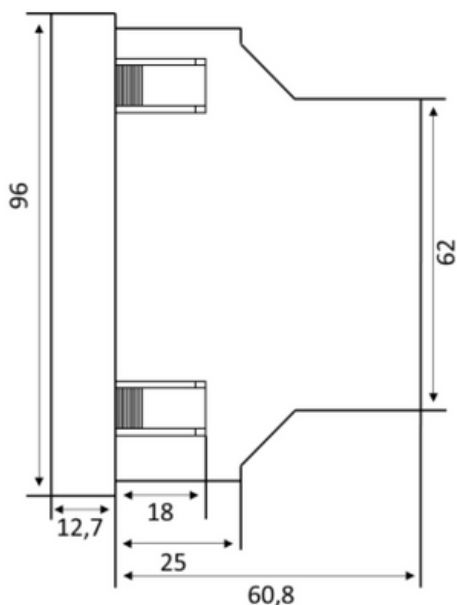
Current measurement (TRMS)	
Via CT primary	9 999 A
Via CT secondary	5/1 A
Input consumption	0.6 VA
Accuracy	0.2%
Permanent overload	6 A
Intermittent overload	20In for 0.01s
Voltage measurements (TRMS)	
Direct measurement between phases	50 ... 600 VAC
Direct measurement between phase and neutral	50 ... 345 VAC
Input consumption	≤ 0.1 VA
Accuracy	0.2%
Permanent overload	120%In
Power measurement	
Accuracy	0.5%
Power factor measurement	
Accuracy	0.5%
Frequency measurement	
Measurement range	45 ... 65 Hz
Accuracy	0.2%

Energy accuracy	
Active (according to IEC 62053-22)	Class 0.5S
Reactive (according to IEC 62053-23)	Class 2
Auxiliary power supply	
Alternating voltage	85 ... 275 VAC
AC tolerance	120 ... 380 VDC
DC tolerance	50 / 60 Hz
Frequency	<2W/10 VA
Consumption	
Inputs	
Number	2
Type	Phototransistors
Outputs	
Number	2
Type	250 VAC/30 VDC 5 A
Communication	
Link	RS485
Type	2...3 half duplex wires
Protocol	MODBUS RTU
MODBUS <sup>®</sup> speed	2400 ... 38400 bauds
Operating conditions	
Operating temperature	- 25 ... + 55 °C
Storage temperature	- 40 ... + 70 °C
Relative humidity	95 %
Altitude	2000 m

## REFERENCES

Basic device		Reference
MULTIS M-18		192J 9060
Accessories	To be ordered in multiples of	Reference
Fuse holders to protect voltage inputs (type RM) 3 pole	4	5601 0018
Fuse holders to protect the auxiliary power supply (type RM) 1 pole + neutral	6	5601 0017
gG 10 <sup>3</sup> 38 0.5A fuses	10	6012 0000

## DIMENSION



Type	panel mounting
Dimensions W * H * D	96 x 96 x 60.8 mm