

from the *Pioneers*
in the Multifunction
Digital Power Meters



100 years
OF SHARED ENERGY
1922 — 2022

SO innovative!

new

MULTIS M-18

Digital multifunction power meter 96mm x 96mm

POWERFUL . INTUITIVE . PRECISE



DISPLAY

- Large backlit LCD display

ACCURACY

- Class 0.5S in accordance with IEC 62053-22

COMMUNICATION

- Built-in RS485 MODBUS Communication

ADVANCED FUNCTIONS

- V & I Harmonics analysis up to 63rd order
- Standard integrated I/O functions

socomec
Innovative Power Solutions

Electrical Characteristics

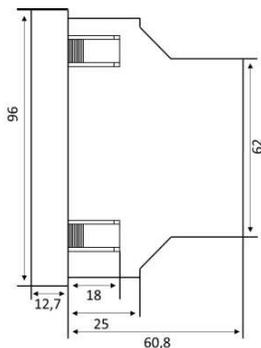
Current measurement (TRMS)	
Via CT primary	9 999 A
Via CT secondary	5/1 A
Input consumption	0.6 VA
Accuracy	0.2%
Permanent overload	6 A
Intermittent overload	20In for 0.01s
Voltage measurements (TRMS)	
Direct measurement between phases	50 ... 600 VAC
Direct measurement between phase and neutral	50 ... 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® 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*38 0.5A fuses	10	6012 0000

Dimensions



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

Socomec Asia Pacific Pte Ltd

11 Ubi Road 1, #02-01, Meiban Industrial Building
 Singapore 408728
 Tel. +65 6506 7600
 Email. info.apac@socomec.com
 Website. <https://apac.socomec.com/en>

SEAP 2023MULTIS18 – 02/2023

Distributor