MULTIS L50

Multifunctional digital panel meter

your energy
our expertise

socomec
Innovative Power Solutions

Easy to use, upgradable and reliable

The MULTIS L50 is a panel mounted digital meter displaying multi-measurement and energy values directly on its large backlit LCD display.

Metering
- Active energy: ± kWh
- Reactive energy: ± kvarh
- Hours:

Harmonic analysis
- Total harmonic distortion (level 51)
  - Currents: thd I1, thd I2, thd I3
  - Phase-to-neutral voltage: thd V1, thd V2, thd V3
  - Phase-to-phase voltage: thd U12, thd U23, thd U31

Communications[1]
- RS485 with MODBUS protocol

Output
- Remote command of device
- Pulse report

Inputs
- Remote status device

(1) Available as an option (see the following pages).

Multi-measurement
- Currents
  - instantaneous: I1, I2, I3, In
  - maximum average: I1, I2, I3, In
- Voltages & frequency
  - instantaneous: V1, V2, V3, U12, U23, U31, F
- Power
  - instantaneous: 3P, ΣP, 3Q, ΣQ, 3S, ΣS
  - maximum average: ΣP, ΣQ, ΣS
  - unbalance: U unb
- Power factors
  - instantaneous: 3PF, Σ

Advantages

Easy to use

Equipped with a large backlit screen, MULTIS L50 units display a number of indications, whilst remaining easy to view.
The direct access keys enable optimum use of the available functions.

Upgradable

DIRIS A units can be adapted to the varying needs of multi-function measurement applications: plug-in optional modules allow additional functions to be added at any time.

Reliable

MULTIS L50 is certified IEC 62053-21 class 1 and IEC 62053-23 class 2, quality standards.

Current transformers

Socomec current transformers deliver to the secondary a standard current proportional to the primary current and adapted to the rating of the associated device. They are equipped as standard with removable terminal covers and double terminals allowing the secondary to be short-circuited without any risk.

References

Primary	Secondary	Class 3	Class 1	Reference
50 A	5 A	1 VA		196T **0050**
60 A	5 A	1 VA		196T **0060**
75 A	5 A	1 VA		196T **0075**
80 A	5 A	1 VA		196T **0080**
100 A	5 A		1 VA	196T **0100**
125 A	5 A		1 VA	196T **0125**
150 A	5 A		1 VA	196T **0150**
200 A	5 A		2.5 VA	196T **0200**
250 A	5 A		2.5 VA	196T **0250**
300 A	5 A		2.5 VA	196T **0300**
400 A	5 A		5 VA	196T **0400**
> 400 A	Consult us			

Optional modules

DIRIS 773 A

DIRIS 445 A

1 output
1 output assignable to:
- Pulses: configurable (type, weight, duration) in kWh or kvarh.
- Remote command of device.

DIRIS 447 A

Communication
RS485 link with JBUS/MODBUS protocol
(speed up to 38400 bauds).

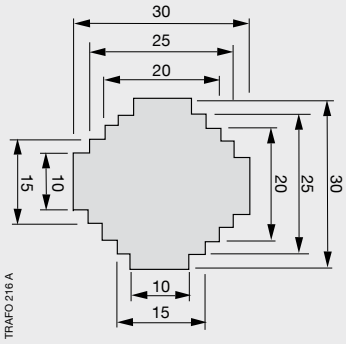
DIRIS 449 A

3 inputs, 1 output
3 inputs assignable to:
- Remote status device.

1 output assignable to:
- Pulses: configurable (type, weight, duration) in kWh or kvarh.
- Remote command of device.

Basic device	Reference
Multis L50	192J **9120**
Optional plug-in modules	
1 output	4825 **0080**
RS485 MODBUS® communication	4825 **0082**
3 inputs, 1 output	4825 **0083**

Dimensions



TRAFO 216 A

Dimensions (Ø)	mm
Bar 1	30 x 10
Bar 2	25 x 15
Bar 3	20 x 20
Cable	20
Dimensions (H x W x D)	mm
Height	73.5
Width	49
Depth	32

Socomec worldwide

SINGAPORE

Critical Power / Power Control & Safety / Energy Efficiency
11 Ubi Road 1
#02-01 Meiban Industrial Building
408723 Singapore
Tel.+65 6506 7600
Fax +65 64 58 7377
info.sg@socomec.com

IN ASIA PACIFIC

AUSTRALIA
Critical Power / Power Control & Safety
info.ups.au@socomec.com

CHINA
Critical Power / Power Control & Safety / Energy Efficiency
info.cn@socomec.com

INDIA
Critical Power / Power Control & Safety / Energy Efficiency
info.in@socomec.com

THAILAND
Critical Power
info.ups.th@socomec.com

IN EUROPE

BELGIUM
Critical Power / Power Control & Safety / Energy Efficiency
info.be@socomec.com

FRANCE
Critical Power / Power Control & Safety / Energy Efficiency
dcm.ups.fr@socomec.com

GERMANY
Critical Power
info.ups.de@socomec.com
Power Control & Safety / Energy Efficiency
info.scp.de@socomec.com

ITALY
Critical Power
info.ups.it@socomec.com
Power Control & Safety / Energy Efficiency
info.scp.it@socomec.com

NETHERLANDS
Critical Power / Power Control & Safety / Energy Efficiency
info.nl@socomec.com

POLAND
Critical Power
info.ups.pl@socomec.com
Power Control & Safety / Energy Efficiency
info.scp.pl@socomec.com

PORTUGAL
Critical Power / Power Control & Safety / Energy Efficiency
info.ups.pt@socomec.com

ROMANIA
Critical Power / Power Control & Safety / Energy Efficiency
info.ro@socomec.com

SERBIA
Critical Power / Power Control & Safety / Energy Efficiency
info.rs@socomec.com

SLOVENIA
Critical Power / Power Control & Safety / Energy Efficiency
info.si@socomec.com

SPAIN
Critical Power / Power Control & Safety / Energy Efficiency
info.es@socomec.com

SWITZERLAND
Critical Power
info@socomec.ch

TURKEY
Critical Power / Power Control & Safety / Energy Efficiency
info.tr@socomec.com

UNITED KINGDOM
Critical Power / Power Control & Safety / Energy Efficiency
info.uk@socomec.com

IN MIDDLE EAST

UNITED ARAB EMIRATES
Critical Power / Power Control & Safety / Energy Efficiency
info.ae@socomec.com

IN AMERICA

USA, CANADA & MEXICO
Power Control & Safety / Energy Efficiency
info.us@socomec.com

OTHER COUNTRIES

NORTH AFRICA
Algeria / Morocco / Tunisia
info.naf@socomec.com

AFRICA
Other countries
info.africa@socomec.com

SOUTH EUROPE
Cyprus / Greece / Israel / Malta
info.se@socomec.com

SOUTH AMERICA
info.es@socomec.com

MORE DETAILS
www.socomec.com/worldwide

HEAD OFFICE

SOCOMEC GROUP
SAS SOCOMEC capital 10 686 000 €
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex - FRANCE
Tel. +33 3 88 57 41 41
Fax +33 3 88 74 08 00
info.scp.isd@socomec.com

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www.socomec.sg

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Innovative Power Solutions

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