



MULTIS *L20 / L30 / L40*

Multi-measurement devices



The benefits of **MULTIS L20/L30/L40**

Metering, monitoring & power quality

The Socomec MULTIS range insures the measurement of all your electrical parameters, V, A, Hz, P, Q, S, COS φ ... For single and three-phase networks.



Conformity to standards

- EN 62053-21
- EN 61010-1

Also available



DIRIS A

A complete range of solutions for efficient management of your electrical networks.



Cost-effective

- MULTIS L range is the most economical multi-measurement solution.



User-friendly & robust

- LED display.
- Easy to install.
- Easy to use thanks to direct access keys and data centralisation.

SOCOMEC, your best asset

European manufacturing group

- Created in 1922.
- A workforce of almost 3000.
- Located on all five continents.

A culture of independence

- Family shareholding.
- Control of the decision-making process.
- Respect of human values.

The spirit of innovation

- Almost 10% of turnover is invested in R&D.

A flexible manufacturing structure

- Competitive production sites.
- Lean Management.
- Lead times, quality and cost guaranteed.

The vision of a specialist

- Expertise in core technologies.
- Product adaptations as per customer requirements.

A focus on service

- Advice, technical assistance and call-out, training.
- Teams located across the globe.



Selection guide

Brief overview

| | MULTIS L20 | MULTIS L30 | MULTIS L40 |
|-------------------|------------------|------------------|------------------|
| Multi-measurement | • | • | • |
| RS485 MODBUS | | • | • |
| 2 In/2 Out | | | • |
| Reference | 192J 9100 | 192J 9105 | 192J 9110 |



| MEASUREMENTS | | | |
|--|---|---|---|
| I | • | • | • |
| U | • | • | • |
| F | • | • | • |
| V | • | • | • |
| P, Q, S, Ea, Cos φ | | • (P; Cos φ) | • |
| AC network | LV or HV three-phase + neutral | LV or HV three-phase + neutral | LV or HV three-phase + neutral |
| Measurement range (between phase and neutral) | 0.05 ... 5.5 A 5/5 A ... 10000/5 A 1/1 A ... 2000/1 A 10 ... 300 VAC/ 10 V ... 200 kVAC | 0.05 ... 5.5 A 5/5 A ... 10000/5 A 1/1 A ... 2000/1 A 10 ... 300 VAC/ 10 V ... 200 kVAC | 0.05 ... 5.5 A 5/5 A ... 10000/5 A 1/1 A ... 2000/1 A 10 ... 300 VAC/ 10 V ... 200 kVAC |
| Measurement range between phases | 10 ... 500 VAC | 10 ... 500 VAC | 10 ... 500 VAC |
| Accuracy | 1% ± 1 digit | 1% ± 1 digit | 1% ± 1 digit |
| MIN/MAX/AVG (VLN - VLL - A - W) | • | • | • |
| MAX Demand | • | • | • |
| COMMUNICATION | | | |
| Type | - | MODBUS RTU via RS485 | MODBUS RTU via RS485 |
| PULSE OUTPUT | | | |
| Number | - | - | 2 |
| Weight | - | - | 1 Wh ... 1 MWh/ 1 VArh ... 1 MVarh |
| INPUT | | | |
| Number | - | - | 2 |
| AUXILIARY POWER SUPPLY | | | |
| Voltage | 190 ... 260 VAC | 190 ... 260 VAC | 190 ... 260 VAC |
| Frequency | 45 ... 65 Hz | 45 ... 65 Hz | 45 ... 65 Hz |
| Consumption | < 4 VA | < 4 VA | < 4 VA |
| CASE | | | |
| Type | panel mounting | panel mounting | panel mounting |
| Dimensions (H x W x D) | 96 x 96 x 82 mm | 96 x 96 x 82 mm | 96 x 96 x 82 mm |
| Panel cut out dimensions (H x W) | 91 x 91 mm | 91 x 91 mm | 91 x 91 mm |
| Front protection rating | IP40 | IP40 | IP40 |
| OPERATING CONDITIONS | | | |
| Operating temperature | -5 ... +50 °C | -5 ... +50 °C | -5 ... +50 °C |

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