

**ENERGY LOGGER D550****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Measuring instruments with a simple S0 interface are widespread. However, they do not allow measured values to be passed directly into the internal network – so, until now, a gateway was required for each measuring instrument.

With the Energy Logger D550, pulse signals from up to 15 measuring instruments can be collected, saved and forwarded via a LAN interface.

The particularly compact Energy Logger D550 is the cost-effective solution to simplify and accelerate collection and forwarding of consumption and process data.

**General ordering data**

|            |                            |
|------------|----------------------------|
| Order No.  | <a href="#">2425520000</a> |
| Type       | ENERGY LOGGER D550         |
| GTIN (EAN) | 4050118433333              |
| Qty.       | 1 pc(s).                   |

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## Technical data

## Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 46 mm    | Depth (inches)  | 1.811 inch |
| Height     | 90 mm    | Height (inches) | 3.543 inch |
| Width      | 107.5 mm | Width (inches)  | 4.232 inch |
| Net weight | 200 g    |                 |            |

## Temperatures

|                                   |                |                       |                |
|-----------------------------------|----------------|-----------------------|----------------|
| Storage temperature               | -40 °C...70 °C | Operating temperature | -40 °C...55 °C |
| Humidity at operating temperature | 5...95 % RH    |                       |                |

## Communication

|           |                                   |   |
|-----------|-----------------------------------|---|
| Interface | Protocol                          | Modbus RTU, Modbus-Gateway, Modbus TCP/IP, Modbus RTU over Ethernet, SNMP |
|           | RS485: 9,6 – 115,2 kbps, Ethernet |   |

## Inputs/outputs

|                          |       |                           |     |
|--------------------------|-------|---------------------------|-----|
| Number of digital inputs | 15    | Number of digital outputs | 3   |
| Number of pulse outputs  | 3     | Temperature input         | Yes |
| Count rate               | 20 Hz |                           |     |

## Measurement data recording

|                                    |                 |             |       |
|------------------------------------|-----------------|-------------|-------|
| Memory; minimum and maximum values | Yes             | Memory size | 32 MB |
| Software                           | ecoExplorer go® |             |       |

## Technical data

|                   |   |                         |   |
|-------------------|---|-------------------------|---|
| Protection degree | IP20  | Version                 | Power measurement/display for 1-, 3-phase mains |
| Standards         | DIN EN 61326-1, DIN EN 61000-4-2, DIN EN 61000-4-3, DIN EN 61000-4-4, DIN EN 61000-4-5, DIN EN 61000-4-6, EN 61000-4-11, IEC 61010-1, IEC 61010-2-030, EN 55011 | Surge voltage category  | 300 V CAT III                                   |
| Voltage supply    | 20 - 250 V AC, 20 - 300 V DC20 - 300 V DC   | Operating-hours counter | Yes   |

## Insulation coordination

|                        |               |
|------------------------|---------------|
| Surge voltage category | 300 V CAT III |
|------------------------|---------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002301    | ETIM 7.0    | EC002301    |
| ETIM 8.0    | EC002301    | ETIM 9.0    | EC002301    |
| ECLASS 9.0  | 27-14-23-30 | ECLASS 9.1  | 27-21-03-01 |
| ECLASS 10.0 | 27-14-23-30 | ECLASS 11.0 | 27-14-23-30 |
| ECLASS 12.0 | 27-14-23-30 | ECLASS 13.0 | 27-14-23-30 |

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Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E469563    |

**Downloads**

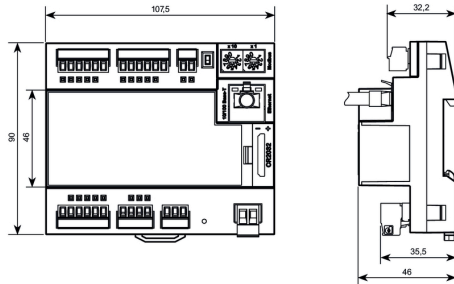
|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Application notes – Declaration of Conformity</a>   |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Software                                    | <a href="#">Win64 - ecoExplorer go</a><br><a href="#">Device description – MODBUS address list</a>  |
| User Documentation                          | <a href="#">Quick Guide German/English</a><br><a href="#">Manual Energy Logger D550 German/English</a><br><a href="#">Application notes – Manual ECOEXPLORER GO English</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

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## Drawings



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## Accessories

### Accessories



### General ordering data

|            |                            |
|------------|----------------------------|
| Type       | ENERGY LOGGER S0 MODULE    |
| Order No.  | <a href="#">2446170000</a> |
| GTIN (EAN) | 4050118459548              |
| Qty.       | 1 pc(s).                   |