

## Loop Current Source Simulator

The Analog Source Generator(420mA) will assist

Loop Current Source Simulator

The Analog Source Generator(420mA) will assist



## Key Features

- Dimensions: 60mm x 40mm x 20mm

## Ordering Information

| Product Code       | Description                                  |
|--------------------|----------------------------------------------|
| <b>ULS20M24V-P</b> | <b>Loop Current Source Simulator</b>         |
| USS20M24V-D        | Current Source Simulator 0/4 to 20mA         |
| USS20M24V-P        | Current Source Simulator Without Display     |
| USS10V24V-D        | Voltage Source Simulator 0-10V               |
| SPD-20MA           | 4-20mA Surge Protection Device SPD 4 to 20mA |

## Applications

- **Industrial Automation & Process Control:** Reliable signal interfacing and device connectivity across automated production lines.
- **SCADA & PLC Integration:** Seamless communication between field instrumentation and control systems.
- **Control Panel Building:** Compact 35 mm DIN rail mounting for clean and space-efficient cabinet wiring.
- **OEM Equipment & Diagnostics:** Robust electrical protection and standard industrial ratings.

## Specifications

| Parameter             | Value                         |
|-----------------------|-------------------------------|
| Mounting Type         | 35 mm DIN Rail Mounting       |
| Dimensions            | 60mm x 40mm x 20mm            |
| Enclosure Material    | Industrial ABS plastic        |
| Operating Temperature | −10 °C to +60 °C              |
| Storage Temperature   | −40 °C to +85 °C              |
| Relative Humidity     | 5% to 95% RH (non-condensing) |

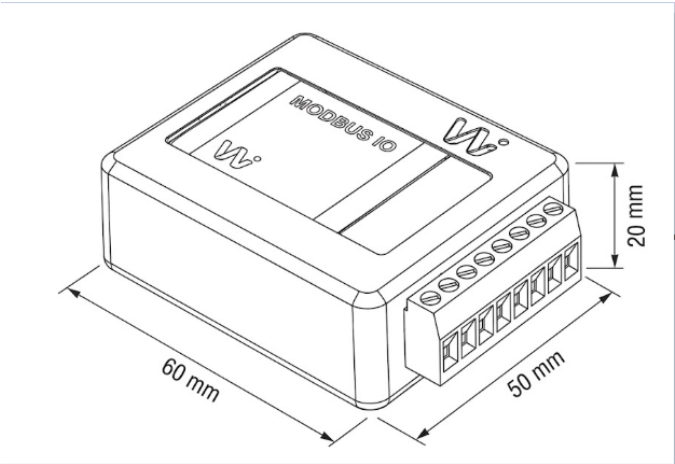
## Electrical Specifications

| Parameter         | Specification       |
|-------------------|---------------------|
| Supply Voltage    | 24V DC              |
| Power Consumption | < 1.5 W             |
| Setting Accuracy  | ±0.2% of Full Scale |

## Input/Output Specifications

| Parameter              | Value                                                     |
|------------------------|-----------------------------------------------------------|
| Generated Signal Range | 0.00 to 20.00 mA / 4.00 to 20.00 mA or 0.00 to 10.00 V DC |
| Resolution             | 0.01 mA / 0.01 V                                          |
| Loop Drive Capability  | Up to 750 Ω load resistance @ 24V DC supply               |

## Mechanical Dimensions



## Terminal Details & Wiring

Signal output screw terminals (+/-) for active output generation or loop simulation.

## Revision History

| Revision | Date       | Description of Change                     |
|----------|------------|-------------------------------------------|
| Rev 1.0  | 2026-09-09 | Initial datasheet release for ULS20M24V-P |

Get the latest version of this datasheet : [click here..](#)

## Support

Website: [www.veawe.io](http://www.veawe.io)

Email: [info@veawe.io](mailto:info@veawe.io)