

Dual Output Current Source Simulator 0 to 20mA

Perfect 3 wire 0/20mA Signal Source Generator
-- Dual

Dual Output Current Source Simulator 0 to 20mA

Perfect 3 wire 0/20mA Signal Source Generator – Dual



Key Features

- Variable using 5 turns Potentiometer.
- Selectable range 0 mA ~ 20 mA in 0.01mA steps
- 0 ~ 20mA or 4 ~ 20mA selection by external jumper.
- Current output values are set by rotating the knob.

Ordering Information

Product Code	Description
USS20M24V-2P	Dual Output Current Source Simulator 0 to 20mA
USS20M24V-D	Current Source Simulator 0/4 to 20mA
USS10V24V-D	Voltage Source Simulator 0-10V
ULS20M24V-P	Loop Current Source Simulator
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	DIN Rail
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)

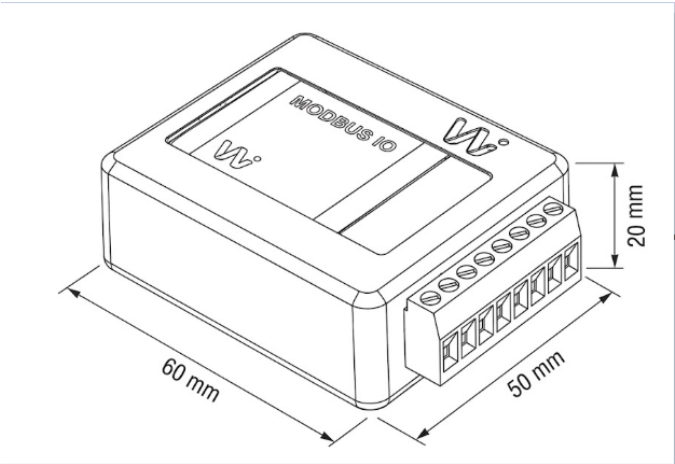
Electrical Specifications

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 USS20M24V-2P

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

Support

Website: www.veawe.io

Email: info@veawe.io