

Product Information SVS510
CONTROLS

Weighing Controller

Application/specified usage

- Controller for Half-Bridge and Full-Bridge weighing sensors
- For indication, calibration and configuration of weighing systems

Application examples

- Controller for
 - Bolt-on Load Cells Microcell / L-Cell
 - Weighing module Load Stand II
 - Load Discs LD3, LD360s, LD3xi, LD3xiC

Features

- Protection class IP65 or IP68
- Variety of calibration methods (2-points, 3-points, free calibration)
- Remote configuration and calibration
- Variety of Fieldbus outputs

Options

- Converter box for connection to half bridge sensors

Authorizations

Weighing Controller SVS510


Specification		
Housing	Panel mounting Dust proof	175 mm x 95 mm x 139 mm 268 mm x 178 mm x 158 mm
Panel cut-out	W x H	160 mm x 70 mm, tolerance +0.5 mm
Protection class	Panel Mounting Dust Proof	IP65 IP68
Ambient	Operation temperature Storage temperature Humidity	-10...40 °C / 14...104 °F -40...60 °C / -40...140 °F 10...95 %, no condensation
Sensor input	One analog load cell I/F	Support up to ten 350 Ω load cells (350 Ω x 10)
Sensor excitation		5 V DC
OIML Ratings	Resolution Sensitivity Accuracy	6000 1uV Class III and IIII
Conversion rate		200/sec
I/O		8 TTL inputs -10...50 mA 12 SPST outputs solid state relays (total 2 A max.)
Display	128 x 64 dot matrix OLED	Up to 150,000 display division
Supply voltage	AC DC	85...264 V AC, 49...61 Hz, max. power consumption < 6 W 20...30 V DC, max. 7 W
Communication	COM1 / COM2 10/100M Ethernet PLC I/F	RS232 / RS232/485 Continuous output weight (TCP/UDP) Demand input and output (TCP/UDP) MODBUS-TCP Server (TCP) Rate calculation
Shipping weight	Panel Mounting Dust Proof	1.3...1.6 kg 3...3.5 kg

Order code

SVS510 Weighing controller

Housing

- P** Panel Mounting (IP65)
- D** Dust Proof (IP68)

Port

- C** COM1 - RS232/422/485
- E** COM2 - RS232/485/LAN

I/O

- 0** None
- 1** 8 in /12 open collector out
- 2** 8 in/12 relay out (only with PLC "0" or "A")

PLC (only for Port "C")

- 0** None
- A** 4...20 mA
- C** CC Link
- E** Ethernet/IP
- F** Profinet
- P** Profibus
- G** Ethernet/IP and 4...20 mA
- H** Profinet and 4...20 mA

Applications

- 0** Basic applications

Language

- 0** English

Power supply

- A** 110/220 V AC
- D** 24 V DC

Converter box (for half bridge 3-wire sensors)

- 0** No converter box
- C** With converter box

SVS510 P C 0 0 0 0 A 0

Transport/storage



- Use suitable transport packaging only to avoid damage of the equipment!
- No outdoor storage
- Store dry and dust free
- Not exposed to corrosive media
- Protect against solar radiation
- Avoiding mechanical shock and vibration
- Storage temperature -40...60 °C / -40...140 °F
- Relative humidity maximum 95 %

Cleaning



The device may only be wiped down with a dry cloth.

Disposal



- Electrical devices should not be disposed of with household trash. They must be recycled in accordance with national laws and regulations.
- Take the device directly to a specialized recycling company and do not use municipal collection points.

Note on CE



- Applicable guidelines:
 - Electromagnetic Compatibility Directive 2014/30/EU
 - Low Voltage Directive 2014/35/EU
- The accordance with applicable EU-guidelines is confirmed with CE-labeling of the device.
- You have to guarantee the compliance of all guidelines applicable for the entire equipment.