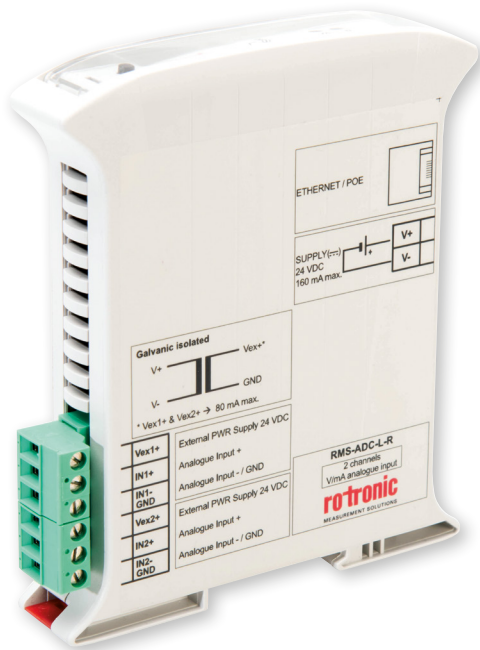


# RMS-ADC-L-R



## BENEFITS

- 44,000 data point memory
- 2 analog sensor inputs
- Various scaling: 0...1/5/10V and 0/4...20mA
- $\pm 0.03$  % f.s. measurement range accuracy
- Conforms to FDA CFR 21 Part 11 / GAMP 5

## APPLICATIONS

- Control cabinets
- Update of brownfield projects

RMS

## TECHNICAL INFORMATION

The RMS-ADC-L-R is a data logger with two integrated analog-to-digital converters to which two sensors can be connected for high-precision analog measurement. The data logger stores 44,000 pairs of measured values and sends them to the RMS database via LAN.

### Compatible with:

- RMS-WEB On-Premise Software  $\geq$  V1.3.0
- RMS-CLD SaaS solutions  $\geq$  V1.3.0

| General specifications     |   |
|----------------------------|---|
| Measurement interval       | 10 s to 15 min                                      |
| Startup time               | < 10 s  |
| Software compatibility     | $\geq$ V1.3.0                                       |
| Protocols                  | HTTP / MODBUS TCP                                   |
| Ethernet cable requirement | Min. Cat 5, SFTP, max. 30 m                         |
| Application range          | -40...70 °C, non-condensing                         |
| Storage conditions         | -20...30 °C, non-condensing                         |
| Sensor power supply (Vex)  | 24 V / 80 mA max.                                   |
| Current consumption        | < 160 mA  |
| AC adapter requirements    | 24 VDC $\pm 10$ %, 4 W minimum, > 5 W power-limited |
| PoE                        | 802.3af-2003, Class 1                               |
| Conformity with standards  |   |
| Soldering material         | Lead free / RoHS conformity                         |
| FDA/GAMP directives        | FDA CFR21 Part 11 / GAMP 5                          |

| Device data                 |  |
|-----------------------------|--|
| Accuracy                    | $\pm 0.03$ % full-scale  |
| Temperature accuracy        | $\pm 0.02$ % full-scale / °C   |
| Measuring resistance / Load | 25 k $\Omega$ at voltage input<br>250 $\Omega$ at current input  |
| Number of measuring points  | 1 or 2 analog inputs   |
| Measurement ranges          | 0...1 V, 0...5 V, 0...10 V, 0...20 mA and 4...20 mA  |
| Storage capacity            | 44,000 data points   |
| Sensor quality              | <ul style="list-style-type: none"> <li>• Detection of sensor interruption (open loop)</li> <li>• Detection of overload</li> <li>• Detection of underload at 4...20 mA</li> </ul> |
| Housing / Mechanics         |  |
| Housing material            | PC. ABS  |
| Dimensions                  | 110 x 119 x 22.5 mm  |
| IP protection class         | IP20   |
| Fire protection class       | UL94-V0  |
| Weight                      | 125 g  |

### Dimensions

