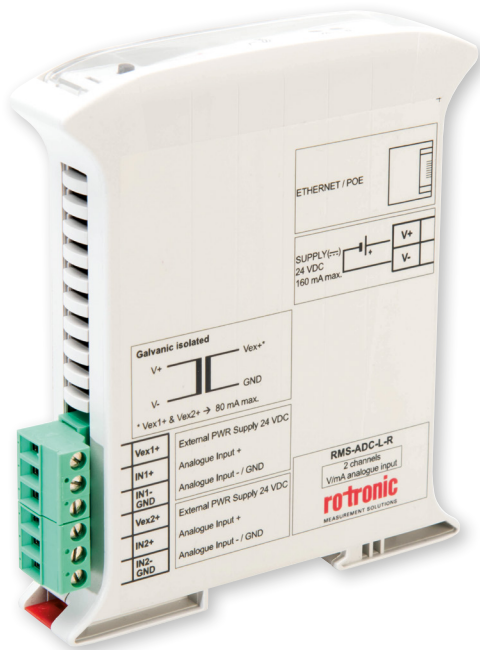


RMS-ADC-L-R



BENEFITS

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

APPLICATIONS

- Control cabinets
- Update of brownfield projects



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 ≥ V1.3.0
- RMS-CLD SaaS solutions ≥ V1.3.0

General specifications	
Measurement interval	10 s to 15 min
Startup time	< 10 s
Software compatibility	≥ 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 ±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	± 0.03 % full-scale
Temperature accuracy	± 0.02 % full-scale / °C
Measuring resistance / Load	25 kΩ at voltage input 250 Ω 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"> • Detection of sensor interruption (open loop) • Detection of overload • Detection of underload at 4...20 mA
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

