

RMS-LOG-T30-L/868/915



BENEFITS

- Saving of up to 44,000 data points
- 2 x PT100 sensor connections
- 2-, 3- or 4-wire connection
- ± 0.1 °C accuracy in measurement range
- Conforms to FDA CFR 21 Part 11 / GAMP 5

APPLICATIONS

- Climate cabinet
- Pharmaceutical industry
- Clean rooms



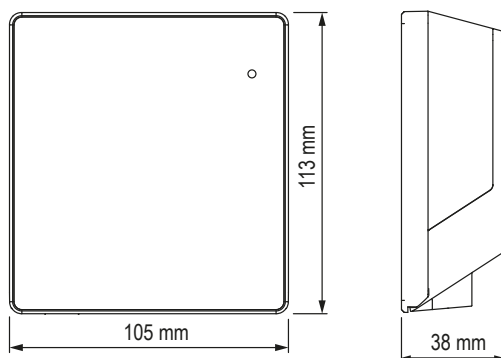
TECHNICAL INFORMATION

The RMS-LOG-T30 is a data logger with two integrated analog-to-digital converters, to which two PT100 sensors can be connected for high-precision temperature measurement. The measuring accuracy of the data logger with PT100 can be improved by a 1- or 2-point adjustment. The data logger stores 44,000 pairs of measured values and sends them to the RMS database via LAN or wireless interface.

Compatible with:

- RMS-GW RMS Gateway
- RMS-WEB On-Premise Software \geq V1.3.0
- RMS-CLD SaaS Solutions \geq V1.3.0
- T30-000X PT100 Probe

Dimensions



General specifications			
Measured parameters	2-, 3- and 4-wire RTD measurement		
Number of measuring points	2 x PT100 probes		
Accuracy ¹ (@23 °C, without PT100)	± 0.1 °C (-100 °C to 200 °C)		
	± 0.2 °C (-200 °C to 850 °C)		
Application range	-40...70 °C 0...100 %RH		
Storage conditions	-20...30 °C 0...95 %RH		
Power	24 VDC ± 10 % / < 100 mA / PoE: 802.3 af-2003, Class 1		
AC adapter requirements	24 VDC ± 10 % / > 4 W / power-limited		
Device data			
Measurement interval	10 s to 15 min.		
Order code RMS-LOG-T30-xxx	T30-L	T30-868	T30-915
Battery life (23 °C, 60 s interval)	3 years	2.4 years	2.4 years
Interfaces	Ethernet	ISM 868 MHz	ISM 915 MHz
Indoor wireless range	-	20...50 meters	15...25 meters
Compatibility with RMS-GW-xxx Firmware	-	V2.1	V2.1
Compatibility with Software	\geq V1.3.0		
Protocols	HTTP / MODBUS TCP (T30-L)		
Ethernet cable requirement	Min. Cat 5, SFTP, max. 30 m		
Conformity with standards			
FDA / GAMP directives	FDA CFR21 Part 11 / GAMP 5		
Housing / Mechanics			
Housing material	PC, ABS		
Fire protection class	UL94-V2		
Dimensions	105 x 113 x 38 mm		
IP protection class	IP65		
Weight	240 g		

¹ In order to improve the measurement accuracy when using the data logger and the PT100, it is possible to carry out a 1-point or 2-point adjustment. To calculate the total accuracy of the RMS-LOG-T30, all variables must be added.

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