ClimaSys

ClimaSys DT

A reliable thermal system for
my problems on control panel

Test me

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ClimaSys dataloggers
Introduction

> ClimaSys DT (Diagnostic Tools) dataloggers are an easy-to-use solution that enables users to:

- Access accurate and reliable thermal measurement data in design, commissioning, and exploitation phases
- Track fast or slow measurements
- Maintain continuity of service
- Optimize installations
- Detect hot and cold spots, and avoid condensation problems
- Determine if ventilation/cooling is possible.

PB503395-32

ClimaSys DTT
ClimaSys DT model records the temperature.

PB503396-37

ClimaSys DTMinilog
ClimaSys DTMinilog model is a single-use recorder of temperature.

PB503397-39

ClimaSys DTH
ClimaSys DTH model records the temperature and the relative humidity level, and determine the dew point.

How to use ClimaSys DT

ClimaSys DT: the solution to optimize the size of your enclosure

With ClimaSys DT dataloggers and EffiClima software, you can know with maximum accuracy the temperature evolution, humidity levels, and dew point inside and outside your control panels.
This data can then be analyzed with ProClima thermal software to determine the optimal thermal solution for each of your control panel installations.

ClimaSys dataloggers

PB503401-17

1 Measure and track thermal data.

EffiClima software

PB503402-37

2 Translates data into a report on temperature, humidity, and dew point

ProClima software

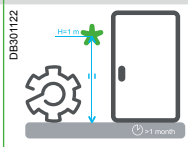
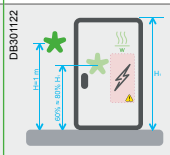
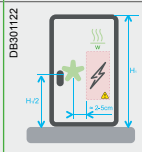
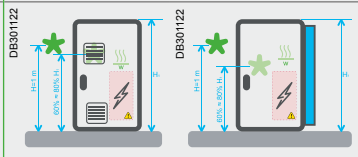
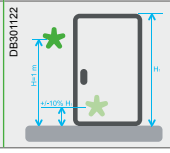
PB503403-47

3 Proposes the right thermal management solution based on the data variables.

Discover more

ClimaSys DT video of the concept

ClimaSys dataloggers
Characteristics

Installation type	Need		Selection of the dataloggers			
	What do you want to do?		Variables to measure	How many dataloggers needed?	Model	Recommended installation
Greenfield	New Project	Determine enclosure sizing needs and the correct thermal solution	■ T outside ■ RH outside	1	DTH	
Brownfield	Power Dissipation verification	Measure the dissipation power of the installation in watts (enclosure without thermal solution installed)	■ T outside ■ T inside	2	DTT or DT mini	
	Electronics H1 Health Test	Verify that there are no hot/ cold spots	■ T inside	1	DTT or DT mini	
	Thermal Solution Test	Measure the efficiency of the existing thermal solution in a certain period of time	■ T outside ■ T inside	2	DTT or DT mini	 *Check Ventilation* *Check Cooling*
	Humidity/ Condensation Test	Measure the risk of high humidity or condensation inside the enclosure	■ T inside ■ T outside ■ HR inside/ outside	2	DTH	

Characteristics		DTT	DTMinilog	DTH
		Temperature recorder	**Single-use temperature recorder**	**Temperature, humidity and dew point recorder**
Colour		Translucid	White	Translucid
Display Type		LCD display	-	LCD display
Dimensions	Height	111 mm	74 mm	111 mm
	Width	39 mm	30 mm	39 mm
	Depth	26 mm	13 mm	30 mm
Operating temperature		-40°C…80°C	-40°C…80°C	-40°C…80°C
Ingress protection rating		IP67 according to IEC 60529	IP68 according to IEC 60529	IP54 according to IEC 60529
Standard		EN 12830	EN 12830	EN 12830
Certification		CE	CE	CE
Fixing mode		Clip-on support	Cable tie	Clip-on support
Connector type		USB	USB	USB
Data recording		32 K	16 K	32 K
Temperature	Setting	-40°C…80°C	-40°C…80°C	-40°C…80°C
	Accuracy	±0.3°C	±0.5°C	±0.3°C
	Resolution	0.03°C	0.1°C	**0.01°C**
Humidity	Setting	-	-	5…95%
	Accuracy	-	-	±2%
	Resolution	-	-	0,5% HR
Battery	Type	Lithium CR2032 3 V	Lithium CR2032 3 V	Lithium CR2032 3 V
	Lifetime	Maximum 2 years	Maximum 6 months	Maximum 2 years
Composition		1	Set of 10 dataloggers	1
References				
		NSYDTEF32T	**NSYDTEFSMT**	**NSYDTEF32TRH**

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