



# ClimaSys

## ClimaSys DT

A reliable thermal system for my problems on control panel



Test me

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# ClimaSys dataloggers

## Introduction

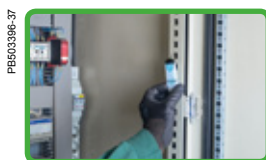
> **ClimaSys DT** (Diagnostic Tools) dataloggers are an easy-to-use solution that enables users to:

- 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.



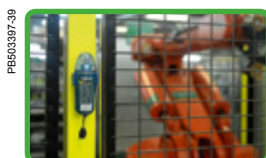
### ClimaSys DTT

ClimaSys DT model records the temperature.



### ClimaSys DTMinilog

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



### 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



**1** Measure and track thermal data.

#### EffiClima software



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

#### ProClima software



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


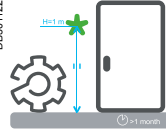

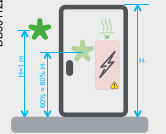

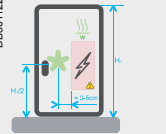

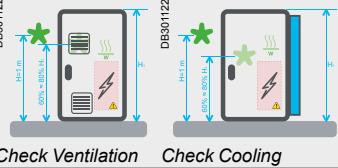

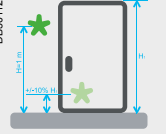
Discover more

ClimaSys DT video of the concept



# ClimaSys dataloggers

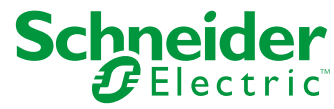
## Characteristics

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	<ul style="list-style-type: none"> <li>■ T outside</li> <li>■ RH outside</li> </ul>	1	DTH	 DB301122
Brownfield	 Power Dissipation verification Measure the dissipation power of the installation in watts (enclosure without thermal solution installed)	<ul style="list-style-type: none"> <li>■ T outside</li> <li>■ T inside</li> </ul>	2	DTT or DT mini	 DB301122
	 Electronics H1 Health Test Verify that there are no hot/ cold spots	<ul style="list-style-type: none"> <li>■ T inside</li> </ul>	1	DTT or DT mini	 DB301122
	 Thermal Solution Test Measure the efficiency of the existing thermal solution in a certain period of time	<ul style="list-style-type: none"> <li>■ T outside</li> <li>■ T inside</li> </ul>	2	DTT or DT mini	 DB301122 DB301122 Check Ventilation    Check Cooling
	 Humidity/Condensation Test Measure the risk of high humidity or condensation inside the enclosure	<ul style="list-style-type: none"> <li>■ T inside</li> <li>■ T outside</li> <li>■ HR inside/outside</li> </ul>	2	DTH	 DB301122



Characteristics	DTT	DTMinilog	DTH	
	<b>Temperature recorder</b>	<b>Single-use temperature recorder</b>	<b>Temperature, humidity and dew point recorder</b>	
Colour	Translucid	White	Translucid	
Display Type	LCD display	-	LCD display	
Dimensions	Height	111 mm	111 mm	
	Width	39 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	
	Accuracy	±0.3°C	±0.5°C	±0.3°C
	Resolution	0.03°C	0.1°C	<b>0.01°C</b>
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	
<b>References</b>	<b>NSYDTEF32T</b>	<b>NSYDTEFSMT</b>	<b>NSYDTEF32TRH</b>	

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