

Thermal Sensor

The Green Drive ISO tubular linear motor uses **PTC600** as standard thermal sensor.



Here the characteristics resistance value vs temperature detected.
Standard value for warning threshold is 1kohm and for alarm threshold 1.1kohm.

Temperatur in °C	%/(K)	Widerstand (Ohm)			(K)
		Min.	Nor.	Max.	
-40	0.84	350	368	386	±5.82
-30	0.83	381	400	419	±5.69
-20	0.82	415	435	455	±5.57
-10	0.80	451	472	492	±5.46
0	0.79	489	511	532	±5.35
10	0.77	530	552	574	±5.25
20	0.75	573	595	618	±5.14
25	0.74	595	618	641	±5.08
30	0.73	618	641	665	±5.03
40	0.71	665	689	713	±4.91
50	0.70	715	740	764	±4.78
60	0.68	767	792	817	±4.64
70	0.66	822	847	872	±4.50
80	0.64	879	904	929	±4.34
90	0.63	938	963	989	±4.17
100	0.61	1000	1025	1050	±3.98
110	0.60	1060	1089	1117	±4.37
120	0.58	1123	1155	1187	±4.77
130	0.57	1187	1223	1259	±5.19
140	0.55	1254	1294	1334	±5.62
150	0.54	1322	1357	1412	±6.07

From:

<https://dokuwiki.nilab.at/> - **NiLAB GmbH**
Knowledgebase

Permanent link:

https://dokuwiki.nilab.at/doku.php?id=green_drive_iso:thermal_sensor

Last update: **2023/12/05 07:04**

