

This paper explains some of the information on ISOTEMP Temperature performance print out.

Most negative frequency deviation (PPM) from the Reference Temperature and corresponding temperature (°C)

Reference Temperature (°C)

Temperature Range (°C)

Most positive frequency deviation (PPM) from the Reference Temperature and corresponding temperature (°C)

Frequency window (PPM) over the Temperature Range

Frequency (PPM) to set the unit at the Reference Temperature to obtain equal plus and minus temperature performance

Frequency Offset (PPM) at the Reference Temperature

Isotemp Research Inc. Charlottesville, Va.

15.IDF Run # 254 08/31-1999 S/N _____
 Model: OCX09151 Rev: nr Run Name: proto T/N _____ 154

T Range	T Ref	Lo Offset @ T	Hi Offset @ T	Window	Set To	Offset @Ref
-30.. 65	25	-0.0016@-30	0.0013@ 65	0.0029	0.0002	0.0090

Temp ('C)	Offset ref. to 25 'C	RMS Short Term PPlE9	CheckCode
-30	-0.00164	0.03	
-25	-0.00146	0.01	
-20	-0.00134	0.02	
-15	-0.00123	0.02	
-10	-0.00111	0.03	
-5	-0.00094	0.02	
0	-0.00077	0.02	
5	-0.00062	0.01	
10	-0.00048	0.02	
15	-0.00031	0.01	
20	-0.00018	0.02	
25	0.00000	0.02	
30	0.00014	0.03	
35	0.00031	0.01	
40	0.00046	0.01	
45	0.00064	0.01	
50	0.00078	0.01	
55	0.00097	0.01	
60	0.00116	0.02	
65	0.00131	0.02	

Vp-p	D.C.
	% High
Electrical Trim	
+PPM Hz	-PPM Hz

Cumulative CheckCode: _____

Graph Range: ± 0.0040 PPM [Dotted Line at 1 x Spec]

Legend: o-Normal x-No Output *-S.T. #-Fails S.T.

Frequency (PPM) versus Temperature (°C) data in tabular form.

Frequency versus Temperature (°C) data in graph form. Rotate 90° to view normally

Short term of the unit at the corresponding temperature as measured in ISOTEMP TEMPERATURE TEST system.
NOTE: This measurement is not the actual Short term of the unit and is used only by ISOTEMP to determine the validity of the Frequency versus Temperature data.