TTI-7 Data Logging and Calibration Software Calibration Software

۲

🙀 ISOTECH TTI-7 Thermometer Help			
Registered to TH&L Systems THL Data Loso THL Data Loso	ING & CALURATION SYS ING & CALBRATION SYS	STEMS STEMS STEMS STEMS STEMS STEMS STEMS	TH&L Systems 2004
Configuration	Scanning Routine Measurement	Graphica Calibra	Data Logger Quit

The purpose of the Model TTI-7 software is to provide easy to use and accurate temperature measurement, Data Logging and automated temperature calibration.

It also provides easy PC operation for the control of instrument/digital thermometers using resistance thermometers or thermocouples and a range of temperature-controlled sources (liquid baths, metal block calibrators and furnaces).

Many temperature points in a temperature source can be automatically selected and measured and both referenced and unknown test probes can be scanned at many temperature points in the temperature source.

The software also enables the complete calibration routine results at several temperature points to be downloaded to a report writer and also provides a graphical plot section incorporating flexible features such as recording and referencing any channel on the system.

TH&L SYSTEMS

۲

TTI-7 Data Logging and Calibration Software Calibration Software

۲

	_D×
Operator	Test Points
Name Roman	
	110001
Identification Isotech NA	Start Point \$100.00
	Increment \$50.00
Scan Criteria	
\SCAN\def.scn	Step Temperature
	1 100.00
Browse	2 150.00
	3 200.00
Stability [*C] \$0.010 No. of Cycles \$4	4 250.00 5 300.00
	6 350.00
Standard	7 400.00
.RTD/.TC\CONF\DEF.RTD	8 450.00 9 500.00
IEC/TCD/CTC //CONST/defied	10 550.00
inclucional traduct frances	11 600.00
Channel 0 Browce	
A B IEC751 ITS 90	
Results	
Save .\DATA\sample3.dat	
yes-	
no- Browse	
Measurement Results	
0 10:01:34 999999.999 XX	
End of Measurement !!! 1 A0 10:22:11 20.535 °C	
0 10:22:21 99999.999 XX	Scanning File Name *.SCN
End of Measurement !!!	\SCAN\A0x0camerasample.SCN
1 A0 10:22:41 20.948 °C 0 10:22:51 99999.999 XX	
0 10:22:51 99999.999 XX 2 A0 10:23:01 20.172 °C	No. of Cycles \$-1
0 10:23:11 99999.999 XX	No. or Cycles
End of Measurement !!!	Scan Interval [s] 20.0
1	The state of the state of the state of the state
2	
	Save Results ?
	yes-
	no- File Name .DAT
	\DATA\sample2.dat
5	
6 DANGER HOT I	
	and the second se
7	Current Cycle 9
8 A0 10:25:55 20.368 °C	and the second se
0 10:26:05 99999.999 XX	Print
9 A0 10:26:15 20.983 °C	On
End of Measurement	• 0#
START STOP 🖉 🗌 Table	Listbox Clear Quit
	Listbox Clear Quit
Sample 16 Time 09:55:38 Value 20.931519 MINI2	0.151917 MAX 20.931519 Reset Listbox ON
Sample 16 Time 09:55:38 Value 20.931519 MIN 2 21.3897-	
	Results X
	Data File [\DATA\sample1.dat
	Results X
21.3897-	Optimization XI Data Fie \U0ATAL semple1 dat 0954:23 20.535 0954:24 20.766 0954:20 20.646
21.3897- 20.9823-	Operative X Data File \UDATA Vample1 dat 095423 20535 1 095433 20646 3 095433 20646 3 095433 20767 4
21.3897- 20.9823-	Option XX Data File \OATALisample1 dat 095452 20.555 1 0954543 20.646 3 0954543 20.646 3 0954543 20.646 3 0954543 20.767 4 0954543 20.767 5 0954543 20.780 5 0954543 20.783 6
21 3997- 20 9923-	Data File VATA/sample1 dat 0054 28 20.535 1 0054 24 20.635 1 0054 28 20.766 2 0054 38 20.767 4 0054 43 20.780 5 0054 43 20.780 5 0054 44 20.878 6 0054 53 20.152 7
21.3897- 20.9823-	Data Tie VATA/vample1 dat 0054/23 20.535 1 0054/24 20.766 2 0054/33 20.767 4 0054/43 20.776 5 0054/43 20.776 5 0054/43 20.776 5 0054/43 20.776 5 0054/43 20.776 5 0054/54 20.815 7 0054/54 20.815 7 0054/54 20.315 9
21.3897- 20.9823-	Data Fie IXI 0954:23 20.535 1 0954:24 20.766 2 0954:32 20.846 3 0954:34 20.760 5 0954:43 20.760 5 0954:49 20.760 5 0954:49 20.760 5 0954:49 20.760 5 0954:49 20.760 5 0954:49 20.760 5 0954:49 20.761 5 0954:50 20.315 9 095500 20.317 10
21.3997 20.5749- 20.5749-	Data Tie UXI Data Tie \UXIALxample1 dat 005422 20.535 1095428 20.766 1095433 20.767 1095443 20.760 1095443 20.776 1095433 20.767 109543 20.760 109543 20.760 109543 20.760 1095453 20.750 1095454 20.315 1095503 20.315 1095503 20.317 1095513 20.917
21.3997 20.5749- 20.5749-	Data File XXI Data File \DATAL sample1 dat 054 42 20.555 0954 42 20.766 0954 43 20.766 0954 32 20.767 0954 43 20.767 0954 43 20.767 0954 43 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.976 0955 45 20.970 0955 12 20.970 0955 12 20.970 0955 12 20.970 0955 12 20.970 0955 12 20.470
21.3997 20.5749- 20.5749-	Data Fie IXI Data Fie \UATALsample1 dat 0954:23 20.535 0954:38 20.766 0954:38 20.776 0954:39 20.787 0954:39 20.787 0954:39 20.787 0954:49 20.827 0954:59 20.825 0954:59 20.825 0955:59 20.347 0955:59 20.347 0955:51 20.917 0955:22 20.401 0955:20 20.67 0955:20 20.67
21.3997 20.5749- 20.5749-	Data File XXI Data File \DATAL sample1 dat 054 42 20.555 0954 42 20.766 0954 43 20.766 0954 32 20.767 0954 43 20.767 0954 43 20.767 0954 43 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.767 0954 45 20.976 0955 45 20.970 0955 12 20.970 0955 12 20.970 0955 12 20.970 0955 12 20.970 0955 12 20.470
21.3897- 20.5749- 20.1574-	Data Fie IXI Data Fie \DATAL semple1 dat 095422 20.535 1 095423 20.636 1 0954243 20.767 4 095423 20.767 4 0954243 20.767 4 095443 20.767 6 0954545 20.316 9 095456 20.237 1 095515 20.317 1 095516 20.317 1 095513 20.917 11 09552 20.611 13 09552 20.617 14 09553 20.757 14
21.3997 20.5749- 20.5749-	Data Fie IXI Data Fie \DATAL semple1 dat 095422 20.535 1 095423 20.636 1 0954243 20.767 4 095423 20.767 4 0954243 20.767 4 095443 20.767 6 0954545 20.316 9 095456 20.237 1 095515 20.317 1 095516 20.317 1 095513 20.917 11 09552 20.611 13 09552 20.617 14 09553 20.757 14
21.3897- 20.5749- 20.1574-	Data Fie IXI Data Fie \DATAL semple1 dat 095422 20.535 1 095423 20.636 1 0954243 20.767 4 095423 20.767 4 0954243 20.767 4 095443 20.767 6 0954545 20.316 9 095456 20.237 1 095515 20.317 1 095516 20.317 1 095513 20.917 11 09552 20.611 13 09552 20.617 14 09553 20.757 14
21.3897- 20.5749- 20.1574-	Data Fie IXI Data Fie \DATAL semple1 dat 095422 20.535 1 095423 20.636 1 0954243 20.767 4 095423 20.767 4 0954243 20.767 4 095443 20.767 6 0954545 20.316 9 095456 20.237 1 095515 20.317 1 095516 20.317 1 095513 20.917 11 09552 20.611 13 09552 20.617 14 09553 20.757 14
21.3897- 20.5822- 20.5743- 20.1574- 19.7500-	Data Fie IXI Data Fie \DATAL semple1 dat 095422 20.535 1 095423 20.636 1 0954243 20.767 4 095423 20.767 4 0954243 20.767 4 095443 20.767 6 0954545 20.316 9 095456 20.237 1 095515 20.317 1 095516 20.317 1 095513 20.917 11 09552 20.611 13 09552 20.617 14 09553 20.757 14
21.3897- 20.822- 20.1674- 19.7600- 19.3556-	Data Fie OAT Al vample1 dat Data Fie \DATA Vample1 dat 054 42 20.536 1 054 42 20.76 1 054 43 20.76 1 054 43 20.76 1 054 43 20.767 4 054 43 20.767 4 054 44 20.767 6 054 45 20.767 6 054 45 20.767 6 054 45 20.767 6 0554 46 20.326 8 03554 20.203 7 10 10 05551 20.203 7 10 10 05552 20.607 11 10 05552 20.607 14 10 05530 20.922 16
21.3897- 20.9823- 20.9749- 20.1674- 19.7500-	Data File IXI Data File -0.01741/campie1 dat 0195422 20.535 1 0195423 20.635 1 0195423 20.646 3 0195433 20.646 3 0195433 20.646 3 0195433 20.646 3 0195445 20.767 4 0195445 20.21767 6 0195445 20.2316 9 0195456 20.2023 6 0195513 20.917 11 0195513 20.917 11 0195523 20.917 11 0195522 20.611 13 0195522 20.607 14 0195538 20.932 16
21.3897- 20.5922- 20.5743- 20.1574- 19.7603- 19.7603- 19.7603- 0.0 407e-01 / div 0.0 Sample	Data Fie OAT Al vample1 dat Data Fie \DATA Vample1 dat 054 42 20.536 1 054 42 20.76 1 054 43 20.76 1 054 43 20.76 1 054 43 20.767 4 054 43 20.767 4 054 44 20.777 4 054 45 20.787 6 054 45 20.787 6 054 45 20.787 6 055 44 20.203 76 6 055 45 20.203 76 0 055 52 20.517 11 055 52 20.617 11 055 52 20.617 11 055 52 20.617 11 055 52 20.617 11 055 53 20.927 16

Key Features:

- Scanning routine of a number of channels/probes
- Virtual calibration channels (digital camera, manual entry, data from different instruments)

• Reference probe calibration data entry for absolute measurement to ITS-90 on reference probe channels

• Controls temperature source at test point and records values of channels as required for one or more sets of readings

۲

• A standard data logging and measurement routine for a number of probes on the instrument scanner

• A graphical plot section with flexible features to record any channel on the system, including the digital data points plotted

A Data Logger section to download the data recorded on the instruments internal memory for use on external "field/site" applications

The Model TTI-7 is suitable for all high precision applications in temperature laboratories and other industrial applications where temperature calibrations are needed.

TH&L SYSTEMS