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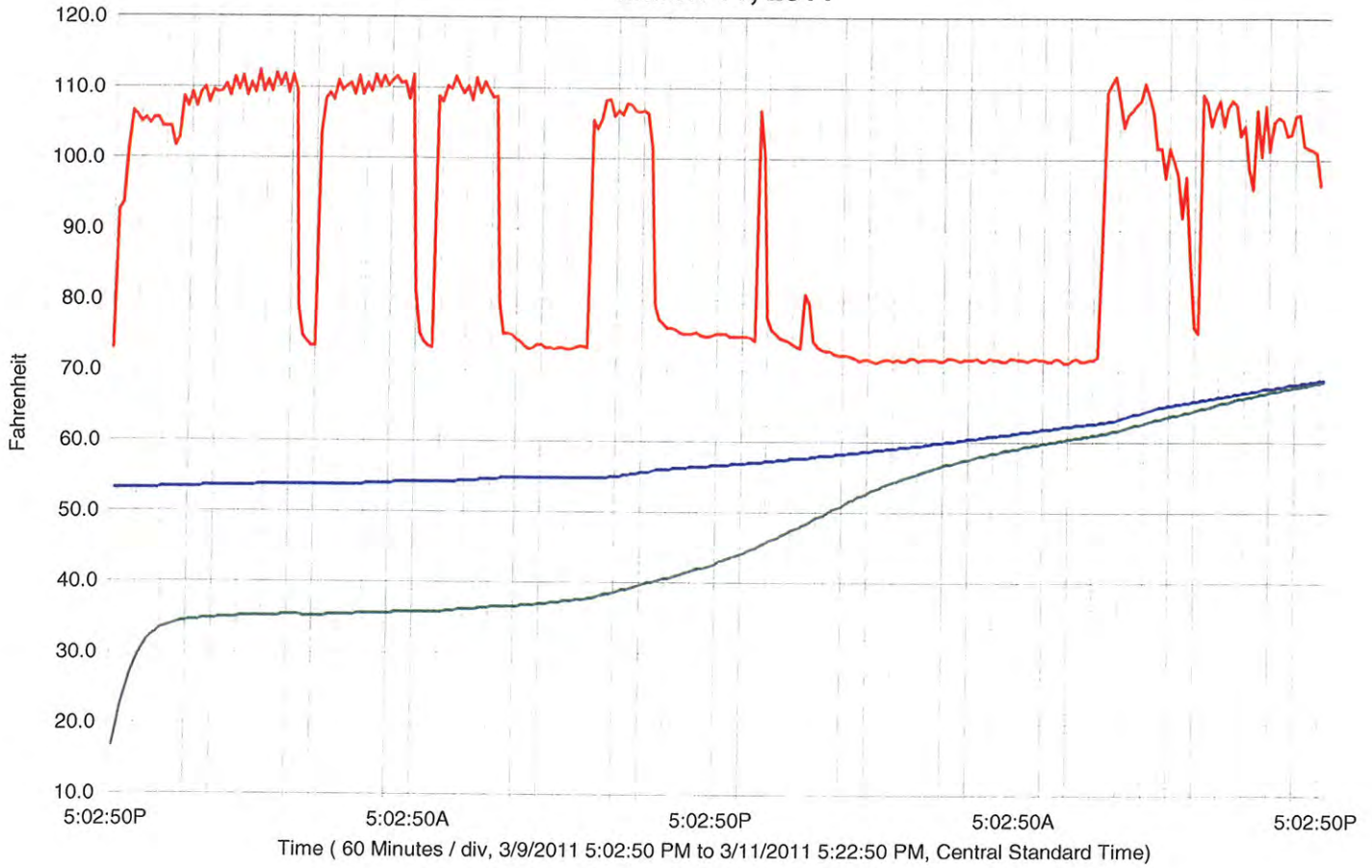


Date: 03/11/11

ThermoKeeper Wine Shipper Test

Box:	ThermoPod 10 x 10 x 14 Wine Shipper
Insulation:	1.5" Premium
Payload:	4 – 750 ml full wine bottles
Refrigerant:	2.66 lbs. ThermoFreeze Bottle

ThermoKeeper Wine Shipper Lab Test March 11, 2011



{Name | Location}
DataSet 1: {Classic edl | Local}
DataSet 2: {Classic edl | Local}
DataSet 3: {Classic edl | Local}

File Name
Wine shipper bottle - 48 hr - 3-11-11.MP_Lgr
wine shipper ambient temp -48 hr - 3-11-11.MP_Lgr
Wine shipper refrigerant 2.66lb 48 hr - 3-11-11.MP_Lgr

Wine shipper refrigerant 2.66lb 48 hr - 3-11-11.MP_Lgr

Print Job: 698940455

Page 2 of 4

DataSet 1:

Data Source

C:\Documents and Settings\All Users\Documents\MDAS-PRO\Data\Wine shipper refrigerant 2.66lb 48 hr - 3-11-11.MP_Lgr

Logger

Serial Number: 11020103
Tracking Number: 11020103
Description: ThermoKeeper Wine Shipper
Final Comment:
Data Imported: False
FirmWare Version: 1.82
Model Number: 65540
Read by DLL Version: 1.0.285
Logger Type: MicroDL
Logger Sensor: Thermistor
Pushbutton Stop Enable: False
Specific Stop Enable: True
Specific Stop Count: None

Time

Start Time: 3/9/2011 5:11:20 PM Central Standard Time
Stop Time: 3/11/2011 5:11:20 PM Central Standard Time
Elapsed Time: 2Days
Delay Interval Before Start: 2Min
Date Logger First Read: 3/12/2011 4:42:40 PM Central Standard Time
Date Logger Was Read: 3/12/2011 4:34:44 PM Central Standard Time
Logger Internal Time When Read: 3/12/2011 4:42:40 PM Central Standard Time

Measurements

Sample Interval: 10Min
Compression Efficiency: 98.6%
Number of Measurements: 289
Continuous Memory: False
Number of Channels: 1
Number of Active Channels: 1

Probe Temperature

Highest Temperature: 68.6F
Lowest Temperature: 16.8F
Median Temperature: 43.0F
Average Temperature: 47.0F
Mean Kinetic Temperature: 52.0F

Alarm

Settings

Results

Probe Temperature

High Temperature : Disabled
High Time :
Low Temperature : Disabled
Low Time :

Alarm Occured: False

Note

Wine shipper bottele 2.66 lb refrigerant 48 hr 3-11-11.MP_Lgr

Print Job: 698940455

Page 3 of 4

DataSet 2:

Data Source

C:\Documents and Settings\All Users\Documents\MDAS-PRO\Data\Wine shipper bottele 2.66 lb refrigerant 48 hr 3-11-11.MP_Lgr

Logger

Serial Number: 11020101
Tracking Number: 11020101
Description: ThermoKeeper Wine Shipper
Final Comment:
Data Imported: False
FirmWare Version: 1.82
Model Number: 65540
Read by DLL Version: 1.0.285
Logger Type: MicroDL
Logger Sensor: Thermistor
Pushbutton Stop Enable: False
Specific Stop Enable: True
Specific Stop Count: None

Time

Start Time: 3/9/2011 5:11:12 PM Central Standard Time
Stop Time: 3/11/2011 5:11:12 PM Central Standard Time
Elapsed Time: 2Days
Delay Interval Before Start: 2Min
Date Logger First Read: 3/12/2011 4:49:28 PM Central Standard Time
Date Logger Was Read: 3/12/2011 4:41:42 PM Central Standard Time
Logger Internal Time When Read: 3/12/2011 4:49:28 PM Central Standard Time

Measurements

Sample Interval: 10Min
Compression Efficiency: 99.%
Number of Measurements: 289
Continuous Memory: False
Number of Channels: 1
Number of Active Channels: 1

Probe Temperature

Highest Temperature: 68.8F
Lowest Temperature: 53.2F
Median Temperature: 56.6F
Average Temperature: 58.2F
Mean Kinetic Temperature: 58.8F

Alarm

Settings

Results

Probe Temperature

High Temperature : Disabled
High Time :
Low Temperature : Disabled
Low Time :

Alarm Occured: False

Note

wine shipper ambient temp 2.66lb refrigerant - 48 hr - 3-11-11.MP_Lgr

Print Job: 698940455
Page 4 of 4

DataSet 3:

Data Source

C:\Documents and Settings\All Users\Documents\MDAS-PRO\Data\wine shipper ambient temp 2.66lb refrigerant - 48 hr - 3-11-11.MP_Lgr

Logger

Serial Number: 11020102
Tracking Number: 11020102
Description: ThermoKeeper Wine Shipper
Final Comment:
Data Imported False
FirmWare Version 1.82
Model Number 65540
Read by DLL Version 1.0.285
Logger Type MicroDL
Logger Sensor Thermistor
Pushbutton Stop Enable False
Specific Stop Enable True
Specific Stop Count None

Time

Start Time: 3/9/2011 5:02:50 PM Central Standard Time
Stop Time: 3/11/2011 5:02:50 PM Central Standard Time
Elapsed Time: 2Days
Delay Interval Before Start 2Min
Date Logger First Read 3/12/2011 4:44:28 PM Central Standard Time
Date Logger Was Read 3/12/2011 4:44:36 PM Central Standard Time
Logger Internal Time When Read 3/12/2011 4:44:28 PM Central Standard Time

Measurements

Sample Interval: 10Min
Compression Efficiency: 98.3%
Number of Measurements: 289
Continuous Memory False
Number of Channels 1
Number of Active Channels 1

Probe Temperature

Highest Temperature: 112.4F
Lowest Temperature: 71.2F
Median Temperature: 94.6F
Average Temperature: 90.4F
Mean Kinetic Temperature: 97.6F

Alarm

Settings

Results

Probe Temperature

High Temperature : Disabled
High Time :
Low Temperature : Disabled
Low Time :

Alarm Occured False

Note

3/9/2011 5:11:12 PM	53.2F	3/11/2011 1:01:12 PM	66.4F
3/9/2011 7:01:12 PM	53.4F	3/11/2011 1:21:12 PM	66.6F
3/9/2011 8:41:12 PM	53.6F	3/11/2011 1:41:12 PM	66.8F
3/9/2011 10:51:12 PM	53.8F	3/11/2011 2:01:12 PM	67F
3/10/2011 3:11:12 AM	54F	3/11/2011 2:21:12 PM	67.2F
3/10/2011 4:21:12 AM	54.2F	3/11/2011 2:41:12 PM	67.4F
3/10/2011 6:51:12 AM	54.4F	3/11/2011 2:51:12 PM	67.6F
3/10/2011 7:41:12 AM	54.6F	3/11/2011 3:21:12 PM	67.8F
3/10/2011 8:31:12 AM	54.8F	3/11/2011 3:41:12 PM	68F
3/10/2011 12:51:12 PM	55F	3/11/2011 3:51:12 PM	68.2F
3/10/2011 1:21:12 PM	55.2F	3/11/2011 4:21:12 PM	68.4F
3/10/2011 1:41:12 PM	55.4F	3/11/2011 4:41:12 PM	68.6F
3/10/2011 2:01:12 PM	55.6F	3/11/2011 5:01:12 PM	68.8F
3/10/2011 2:31:12 PM	55.8F	3/11/2011 5:11:12 PM	68.8F
3/10/2011 2:41:12 PM	56F		
3/10/2011 3:21:12 PM	56.2F		
3/10/2011 4:01:12 PM	56.4F		
3/10/2011 4:51:12 PM	56.6F		
3/10/2011 5:41:12 PM	56.8F		
3/10/2011 6:21:12 PM	57F		
3/10/2011 7:01:12 PM	57.2F		
3/10/2011 7:31:12 PM	57.4F		
3/10/2011 8:01:12 PM	57.6F		
3/10/2011 8:51:12 PM	57.8F		
3/10/2011 9:11:12 PM	58F		
3/10/2011 9:51:12 PM	58.2F		
3/10/2011 10:21:12 PM	58.4F		
3/10/2011 10:51:12 PM	58.6F		
3/10/2011 11:21:12 PM	58.8F		
3/10/2011 11:51:12 PM	59F		
3/11/2011 12:21:12 AM	59.2F		
3/11/2011 12:51:12 AM	59.4F		
3/11/2011 1:21:12 AM	59.6F		
3/11/2011 1:41:12 AM	59.8F		
3/11/2011 2:11:12 AM	60F		
3/11/2011 2:41:12 AM	60.2F		
3/11/2011 3:01:12 AM	60.4F		
3/11/2011 3:31:12 AM	60.6F		
3/11/2011 3:51:12 AM	60.8F		
3/11/2011 4:21:12 AM	61F		
3/11/2011 4:51:12 AM	61.2F		
3/11/2011 5:11:12 AM	61.4F		
3/11/2011 5:41:12 AM	61.6F		
3/11/2011 6:01:12 AM	61.8F		
3/11/2011 6:31:12 AM	62F		
3/11/2011 6:51:12 AM	62.2F		
3/11/2011 7:21:12 AM	62.4F		
3/11/2011 7:51:12 AM	62.6F		
3/11/2011 8:21:12 AM	62.8F		
3/11/2011 8:41:12 AM	63F		
3/11/2011 9:01:12 AM	63.2F		
3/11/2011 9:11:12 AM	63.4F		
3/11/2011 9:21:12 AM	63.6F		
3/11/2011 9:31:12 AM	63.8F		
3/11/2011 9:41:12 AM	64F		
3/11/2011 10:01:12 AM	64.2F		
3/11/2011 10:11:12 AM	64.4F		
3/11/2011 10:21:12 AM	64.6F		
3/11/2011 10:31:12 AM	64.8F		
3/11/2011 10:41:12 AM	65F		
3/11/2011 11:01:12 AM	65.2F		
3/11/2011 11:21:12 AM	65.4F		
3/11/2011 11:41:12 AM	65.6F		
3/11/2011 12:01:12 PM	65.8F		
3/11/2011 12:21:12 PM	66F		
3/11/2011 12:41:12 PM	66.2F		