Project Number:	Tracking Code: TC0737--1443		
Requested by: Kevin Meredith	Date: 9/11/2007	Product Rev: 0	
Part #: MPS-02-7.70-01-L-V-LC, MPT-02-01-L-RA-LC, MPT-02-6.30-01-L-V-LC	Lot #: NA	Tech: Tori Meek, Tony Wagoner	Eng: Troy Cook
Part description: MPX			Qty to test: 45
Test Start: 09/11/2007	Test Completed: 11/20/2007		

MATE/UNMATE TESTING

MPS-02-7.70-01-L-V-LC mated with MPT-02-01-01-L-RA-LC
MPS-02-7.70-01-L-V-LC mated with MPT-02-6.30-01-L-V-LC

MPS-08-7.70-01-L-V-LC mated with MPT-08-01-01-L-RA-LC
MPS-08-7.70-01-L-V-LC mated with MPT-08-6.30-01-L-V-LC

CERTIFICATION

All instruments and measuring equipment were calibrated to National Institute for Standards and Technology (NIST) traceable standards according to IS0 10012-l and ANSI/NCSL 2540-1, as applicable.

SCOPE

To perform the following tests: MATE/UNMATE TESTING

APPLICABLE DOCUMENTS

Standards: EIA Publication 364

TEST SAMPLES AND PREPARATION

1) All materials were manufactured in accordance with the applicable product specification.
2) All test samples were identified and encoded to maintain traceability throughout the test sequences.
3) After soldering, the parts to be used for LLCR and DWV/IR testing were cleaned according to TLWI-0001.
4) Either an automated cleaning procedure or an ultrasonic cleaning procedure may be used.
5) The automated procedure is used with aqueous compatible soldering materials.
6) Parts not intended for testing LLCR and DWV/IR are visually inspected and cleaned if necessary.
7) Any additional preparation will be noted in the individual test sequences.
8) Solder Information: Lead Free
9) These parts were wave soldered
10) Samtec Test PCBs used: PCB-100917-TST-XX

FLOWCHARTS

Mating/Unmating (2 Position)

	MPT-02-6.30-01-L-V-LC MPS-02-7.70-01-L-V-LC	MPT-02-01-RA-V-LC MPS-02-7.70-01-L-V-LC
TEST STEP	**GROUP A** **10 Boards** **100 Cycles**	**GROUP B** **10 Boards** **100 Cycles**
01	Contact Meas.	Contact Meas.
02	Mating / Unmating	Mating / Unmating
03	Data Review	Data Review
04	100 Cycles	100 Cycles
05	Mating / Unmating	Mating / Unmating
06	Contact Meas.	Contact Meas.
07	Data Review	Data Review
08	Thermal Aging (Mated)	Thermal Aging (Mated)
09	Mating / Unmating	Mating / Unmating
10	Contact Meas.	Contact Meas.
11	Data Review	Data Review
12	Humidity (Mated)	Humidity (Mated)
13	Mating / Unmating	Mating / Unmating
14	Contact Meas.	Contact Meas.

Thermal Aging = EIA-364-17, Test Condition 4, 105 deg C;
Time Condition 'B' (250 hours)
Humidity =EIA-364-31, Test Condition 'B' (240 Hours)
and Method III (+25 ° C to +65 ° C @ 90%RH to 98% RH)
ambient pre-condition and delete steps 7a and 7b
Mating/Un-Mating Forces = EIA-364-13
Contact Gaps/Height - No standard method. Usually measured optically

Mating/Unmating (8 Position)

	MPT-08-6.30-01-L-V-LC MPS-08-7.70-01-L-V-LC	MPT-08-01-RA-V-LC MPS-08-7.70-01-L-V-LC
TEST STEP	**GROUP A** **10 Boards** **100 Cycles**	**GROUP B** **10 Boards** **100 Cycles**
01	Contact Meas.	Contact Meas.
02	Mating / Unmating	Mating / Unmating
03	Data Review	Data Review
04	100 Cycles	100 Cycles
05	Mating / Unmating	Mating / Unmating
06	Contact Meas.	Contact Meas.
07	Data Review	Data Review
08	Thermal Aging (Mated)	Thermal Aging (Mated)
09	Mating / Unmating	Mating / Unmating
10	Contact Meas.	Contact Meas.
11	Data Review	Data Review
12	Humidity (Mated)	Humidity (Mated)
13	Mating / Unmating	Mating / Unmating
14	Contact Meas.	Contact Meas.

Thermal Aging = EIA-364-17, Test Condition 4, 105 deg C;
Time Condition 'B' (250 hours)

Humidity =EIA-364-31, Test Condition 'B' (240 Hours)
and Method III (+25 ° C to +65 ° C @ 90%RH to 98% RH)
ambient pre-condition and delete steps 7a and 7b

Mating/Un-Mating Forces = EIA-364-13

Contact Gaps/Height - No standard method. Usually measured optically

ATTRIBUTE DEFINITIONS

The following is a brief, simplified description of attributes.

THERMAL:

1) EIA-364-17, *Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors.*
2) Test Condition 4 at 105° C.
3) Test Time Condition B for 250 hours.
4) All test samples are pre-conditioned at ambient.
5) All test samples are exposed to environmental stressing in the mated condition.

HUMIDITY:

1) Reference document: EIA-364-31, *Humidity Test Procedure for Electrical Connectors.*
2) Test Condition B, 240 Hours.
3) Method III, +25° C to + 65° C, 90% to 98% Relative Humidity excluding sub-cycles 7a and 7b.
4) All samples are pre-conditioned at ambient.
5) All test samples are exposed to environmental stressing in the mated condition.

CONTACT GAP:

1) Gaps above the surrounding plastic surface were measured before and after stressing the contacts (e.g. thermal aging, mechanical cycling, etc.).
2) Typically, all contacts on the connector are measured.

MATING/UNMATING:

1) Reference document: EIA-364-13, *Mating and Unmating Forces Test Procedure for Electrical Connectors.*
2) The full insertion position was to within 0.003” to 0.004” of the plug bottoming out in the receptacle to prevent damage to the system under test.
3) One of the mating parts is secured to a floating X-Y table to prevent damage during cycling.

RESULTS

CONTACT GAPS: MPS

RA-V (2 position)

- **Initial**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **After 100 Cycles**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **Thermal**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **Humidity**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.6 mm**

RA-V (8 position)

- **Initial**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **After 100 Cycles**
  - **Min ---------- 1.4 mm**
  - **Max ---------- 1.5 mm**
- **Thermal**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **Humidity**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**

V-V (2 position)

- **Initial**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **After 100 Cycles**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **Thermal**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.6 mm**
- **Humidity**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**

V-V (8 position)

- **Initial**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **After 100 Cycles**
  - **Min ---------- 1.4 mm**
  - **Max ---------- 1.5 mm**
- **Thermal**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.5 mm**
- **Humidity**
  - **Min ---------- 1.5 mm**
  - **Max ---------- 1.6 mm**

CONTACT GAPS: MPT

RA-V (2 position)

- **Initial**
  - **Min ---------- 1.7 mm**
  - **Max ---------- 1.9 mm**
- **After 100 Cycles**
  - **Min ---------- 1.7 mm**
  - **Max ---------- 1.9 mm**
- **Thermal**
  - **Min ---------- 1.6 mm**
  - **Max ---------- 1.7 mm**
- **Humidity**
  - **Min ---------- 1.7 mm**
  - **Max ---------- 1.7 mm**

RA-V (8 position)

- **Initial**
  - **Min ---------- 1.8 mm**
  - **Max ---------- 1.9 mm**
- **After 100 Cycles**
  - **Min ---------- 1.7 mm**
  - **Max ---------- 1.9 mm**
- **Thermal**
  - **Min ---------- 1.6 mm**
  - **Max ---------- 1.7 mm**
- **Humidity**
  - **Min ---------- 1.7 mm**
  - **Max ---------- 1.8 mm**

V-V (2 position)

- **Initial**
  - **Min ---------- 1.8 mm**
  - **Max ---------- 1.8 mm**
- **After 100 Cycles**
  - **Min ---------- 1.8 mm**
  - **Max ---------- 1.8 mm**
- **Thermal**
  - **Min ---------- 1.6 mm**
  - **Max ---------- 1.7 mm**
- **Humidity**
  - **Min ---------- 1.6 mm**
  - **Max ---------- 1.9 mm**

V-V (8 position)

- **Initial**
  - **Min ---------- 1.8 mm**
  - **Max ---------- 1.9 mm**
- **After 100 Cycles**
  - **Min ---------- 1.8 mm**
  - **Max ---------- 1.9 mm**
- **Thermal**
  - **Min ---------- 1.6 mm**
  - **Max ---------- 1.7 mm**
- **Humidity**
  - **Min ---------- 1.6 mm**
  - **Max ---------- 1.7 mm**

Mating – Unmating Forces, RA-V
(2 Position)

- **Initial**
  - **Mating**
    - **Min ---------- 1.0 Lbs.**
    - **Max---------- 2.3 Lbs.**
  - **Unmating**
    - **Min ---------- 0.9 Lbs.**
    - **Max---------- 1.2 Lbs.**
- **After 5 Cycles**
  - **Mating**
    - **Min ---------- 1.2 Lbs.**
    - **Max---------- 2.5 Lbs.**
  - **Unmating**
    - **Min ---------- 1.1 Lbs.**
    - **Max---------- 1.7 Lbs.**
- **Thermal**
  - **Mating**
    - **Min ---------- 0.7 Lbs.**
    - **Max---------- 0.9 Lbs.**
  - **Unmating**
    - **Min ---------- 0.5 Lbs.**
    - **Max---------- 0.9 Lbs.**
- **Humidity**
  - **Mating**
    - **Min ---------- 0.8 Lbs.**
    - **Max---------- 1.0 Lbs.**
  - **Unmating**
    - **Min ---------- 0.8 Lbs.**
    - **Max---------- 1.1 Lbs.**

(8 Position)

- **Initial**
  - **Mating**
    - **Min ---------- 4.1 Lbs.**
    - **Max---------- 5.3 Lbs.**
  - **Unmating**
    - **Min ---------- 3.8 Lbs.**
    - **Max---------- 4.5 Lbs.**
- **After 100 Cycles**
  - **Mating**
    - **Min ---------- 4.4 Lbs.**
    - **Max---------- 5.4 Lbs.**
  - **Unmating**
    - **Min ---------- 4.3 Lbs.**
    - **Max---------- 5.3 Lbs.**
- **Thermal**
  - **Mating**
    - **Min ---------- 3.4 Lbs.**
    - **Max---------- 4.7 Lbs.**
  - **Unmating**
    - **Min ---------- 3.4 Lbs.**
    - **Max---------- 4.3 Lbs.**
- **Humidity**
  - **Mating**
    - **Min ---------- 3.4 Lbs.**
    - **Max---------- 4.3 Lbs.**
  - **Unmating**
    - **Min ---------- 3.0 Lbs.**
    - **Max---------- 3.5 Lbs.**

Mating – Unmating Forces, V-V
(2 Position)

- **Initial**
  - **Mating**
    - **Min ---------- 0.8 Lbs.**
    - **Max---------- 2.3 Lbs.**
  - **Unmating**
    - **Min ---------- 0.8 Lbs.**
    - **Max---------- 1.8 Lbs.**
- **After 5 Cycles**
  - **Mating**
    - **Min ---------- 0.8 Lbs.**
    - **Max---------- 1.3 Lbs.**
  - **Unmating**
    - **Min ---------- 0.8 Lbs.**
    - **Max---------- 1.3 Lbs.**
- **Thermal**
  - **Mating**
    - **Min ---------- 0.5 Lbs.**
    - **Max---------- 2.6 Lbs.**
  - **Unmating**
    - **Min ---------- 0.3 Lbs.**
    - **Max---------- 2.0 Lbs.**
- **Humidity**
  - **Mating**
    - **Min ---------- 0.5 Lbs.**
    - **Max---------- 0.8 Lbs.**
  - **Unmating**
    - **Min ---------- 0.5 Lbs.**
    - **Max---------- 0.8 Lbs.**

(8 Position)

- **Initial**
  - **Mating**
    - **Min ---------- 3.7 Lbs.**
    - **Max---------- 5.5 Lbs.**
  - **Unmating**
    - **Min ---------- 3.6 Lbs.**
    - **Max---------- 4.7 Lbs.**
- **After 5 Cycles**
  - **Mating**
    - **Min ---------- 3.9 Lbs.**
    - **Max---------- 7.4 Lbs.**
  - **Unmating**
    - **Min ---------- 3.7 Lbs.**
    - **Max---------- 6.6 Lbs.**
- **Thermal**
  - **Mating**
    - **Min ---------- 3.0 Lbs.**
    - **Max---------- 6.6 Lbs.**
  - **Unmating**
    - **Min ---------- 2.8 Lbs.**
    - **Max---------- 4.1 Lbs.**
- **Humidity**
  - **Mating**
    - **Min ---------- 2.5 Lbs.**
    - **Max---------- 3.0 Lbs.**
  - **Unmating**
    - **Min ---------- 2.3 Lbs.**
    - **Max---------- 3.0 Lbs.**

DATA SUMMARIES

CONTACT GAPS: 2 POSITION

RA-V (MPS)

Initial Measurements		Mating Measurements		Thermal Measurements		Humidity Measurements	
Minimum	**1.5000**	***Minimum***	**1.4841**	***Minimum***	**1.5120**	***Minimum***	**1.5020**
Maximum	**1.5480**	***Maximum***	**1.5361**	***Maximum***	**1.5400**	***Maximum***	**1.5480**
Average	**1.5203**	***Average***	**1.5153**	***Average***	**1.5264**	***Average***	**1.5252**
St. Dev.	**0.0122**	***St. Dev.***	**1.5153**	***St. Dev.***	**1.5264**	***St. Dev.***	**1.5252**
Count	**20**	***Count***	**20**	***Count***	**20**	***Count***	**20**

RA-V (MPT)

Initial Measurements		Mating Measurements		Thermal Measurements		Humidity Measurements	
Minimum	**1.7320**	***Minimum***	**1.7121**	***Minimum***	**1.6020**	***Minimum***	**1.6620**
Maximum	**1.9320**	***Maximum***	**1.9061**	***Maximum***	**1.7200**	***Maximum***	**1.7360**
Average	**1.8548**	***Average***	**1.8251**	***Average***	**1.6708**	***Average***	**1.7098**
St. Dev.	**0.0497**	***St. Dev.***	**0.0408**	***St. Dev.***	**1.6708**	***St. Dev.***	**1.7098**
Count	**20**	***Count***	**20**	***Count***	**20**	***Count***	**20**

V-V (MPS)

Initial Measurements		Mating Measurements		Thermal Measurements		Humidity Measurements	
Minimum	**1.4880**	***Minimum***	**1.4801**	***Minimum***	**1.4860**	***Minimum***	**1.4920**
Maximum	**1.5360**	***Maximum***	**1.5401**	***Maximum***	**1.5560**	***Maximum***	**1.5420**
Average	**1.5213**	***Average***	**1.5164**	***Average***	**1.5313**	***Average***	**1.5183**
St. Dev.	**0.0121**	***St. Dev.***	**1.5164**	***St. Dev.***	**1.5313**	***St. Dev.***	**1.5183**
Count	**20**	***Count***	**20**	***Count***	**20**	***Count***	**20**

V-V (MPT)

Initial Measurements		Mating Measurements		Thermal Measurements		Humidity Measurements	
Minimum	**1.7660**	***Minimum***	**1.7561**	***Minimum***	**1.6180**	***Minimum***	**1.6220**
Maximum	**1.8360**	***Maximum***	**1.8141**	***Maximum***	**1.6800**	***Maximum***	**1.9000**
Average	**1.8040**	***Average***	**1.7847**	***Average***	**1.6511**	***Average***	**1.6721**
St. Dev.	**0.0168**	***St. Dev.***	**1.7847**	***St. Dev.***	**1.6511**	***St. Dev.***	**1.6721**
Count	**20**	***Count***	**20**	***Count***	**20**	***Count***	**20**

CONTACT GAPS: 8 POSITION

RA-V (MPS)

Initial Measurements		Mating Measurements		Thermal Measurements		Humidity Measurements	
Minimum	**1.4520**	***Minimum***	**1.4381**	***Minimum***	**1.4720**	***Minimum***	**1.4660**
Maximum	**1.5240**	***Maximum***	**1.5221**	***Maximum***	**1.5360**	***Maximum***	**1.5440**
Average	**1.4948**	***Average***	**1.4892**	***Average***	**1.5087**	***Average***	**1.5095**
St. Dev.	**0.0161**	***St. Dev.***	**1.4892**	***St. Dev.***	**1.5087**	***St. Dev.***	**1.5095**
Count	**40**	***Count***	**40**	***Count***	**40**	***Count***	**40**

RA-V (MPT)

Initial Measurements		Mating Measurements		Thermal Measurements		Humidity Measurements	
Minimum	**1.7480**	***Minimum***	**1.7441**	***Minimum***	**1.5960**	***Minimum***	**1.6540**
Maximum	**1.9180**	***Maximum***	**1.9201**	***Maximum***	**1.6920**	***Maximum***	**1.7480**
Average	**1.8485**	***Average***	**1.8621**	***Average***	**1.6596**	***Average***	**1.7010**
St. Dev.	**0.0438**	***St. Dev.***	**1.8621**	***St. Dev.***	**1.6596**	***St. Dev.***	**1.7010**
Count	**40**	***Count***	**40**	***Count***	**40**	***Count***	**40**

V-V (MPS)

Initial Measurements		Mating Measurements		Thermal Measurements		Humidity Measurements	
Minimum	**1.4480**	***Minimum***	**1.4440**	***Minimum***	**1.4580**	***Minimum***	**1.4480**
Maximum	**1.5300**	***Maximum***	**1.5360**	***Maximum***	**1.5360**	***Maximum***	**1.5800**
Average	**1.4851**	***Average***	**1.4868**	***Average***	**1.4985**	***Average***	**1.5028**
St. Dev.	**0.0185**	***St. Dev.***	**1.4868**	***St. Dev.***	**1.4985**	***St. Dev.***	**1.5028**
Count	**40**	***Count***	**40**	***Count***	**40**	***Count***	**40**

V-V (MPT)

Initial Measurements		Mating Measurements		Thermal Measurements		Humidity Measurements	
Minimum	**1.7760**	***Minimum***	**1.8040**	***Minimum***	**1.6260**	***Minimum***	**1.5820**
Maximum	**1.8780**	***Maximum***	**1.8920**	***Maximum***	**1.6960**	***Maximum***	**1.7000**
Average	**1.8098**	***Average***	**1.8354**	***Average***	**1.6549**	***Average***	**1.6473**
St. Dev.	**0.0170**	***St. Dev.***	**1.8354**	***St. Dev.***	**1.6549**	***St. Dev.***	**1.6473**
Count	**40**	***Count***	**40**	***Count***	**40**	***Count***	**40**

DATA SUMMARIES Continued

MATING/UNMATING: 2 POSITION
RA-V

	Initial				After 5 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	16.2	1.01	13.8	0.86	18.4	1.15	17.8	1.11
Maximum	*36.3*	*2.3*	*19.4*	*1.2*	*39.5*	*2.5*	*26.4*	*1.7*
Average	***21.4***	***1.3***	***15.5***	***1.0***	***23.6***	***1.5***	***20.5***	***1.3***
	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	10.9	0.7	7.5	0.5	12.4	0.8	12.9	0.8
Maximum	*14.2*	*0.9*	*13.9*	*0.9*	*16.7*	*1.0*	*18.0*	*1.1*
Average	***12.5***	***0.8***	***11.1***	***0.7***	***14.4***	***0.9***	***15.1***	***0.9***

V-V

	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	12.0	0.75	12.0	0.75	12.8	0.80	12.5	0.78
Maximum	*36.8*	*2.3*	*29.0*	*1.8*	*20.6*	*1.3*	*20.6*	*1.3*
Average	***21.4***	***1.3***	***16.0***	***1.0***	***17.3***	***1.1***	***15.3***	***1.0***
	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	8.5	0.5	4.8	0.3	8.3	0.5	8.3	0.5
Maximum	*41.3*	*2.6*	*31.5*	*2.0*	*12.8*	*0.8*	*12.4*	*0.8*
Average	***27.5***	***1.7***	***17.0***	***1.1***	***10.4***	***0.6***	***10.3***	***0.6***

MATING/UNMATING: 8 POSITION
RA-V

	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	65.9	4.12	61.1	3.82	71.0	4.44	68.8	4.30
Maximum	*84.8*	*5.3*	*71.7*	*4.5*	*86.7*	*5.4*	*84.5*	*5.3*
Average	***77.3***	***4.8***	***68.3***	***4.3***	***79.8***	***5.0***	***74.3***	***4.6***
	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	54.6	3.4	55.0	3.4	55.0	3.4	48.0	3.0
Maximum	*75.7*	*4.7*	*69.4*	*4.3*	*69.4*	*4.3*	*56.8*	*3.5*
Average	***66.7***	***4.2***	***59.7***	***3.7***	***59.7***	***3.7***	***51.3***	***3.2***

V-V

	Initial				After 5 Cycles			
	Mating		**Unmating**		**Mating**		**Unmating**	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	58.7	3.67	57.8	3.61	62.6	3.91	58.7	3.67
Maximum	*87.8*	*5.5*	*75.5*	*4.7*	*117.6*	*7.4*	*106.1*	*6.6*
Average	***67.0***	***4.2***	***63.5***	***4.0***	***82.3***	***5.1***	***74.7***	***4.7***
	After Thermal				After Humidity			
	Mating		**Unmating**		**Mating**		**Unmating**	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	48.2	3.0	45.4	2.8	39.3	2.5	36.5	2.3
Maximum	*104.8*	*6.6*	*65.4*	*4.1*	*47.8*	*3.0*	*47.6*	*3.0*
Average	***69.5***	***4.3***	***53.9***	***3.4***	***43.3***	***2.7***	***41.7***	***2.6***

DATA

CONTACT GAPS: 2 POSITION (RA-V)

MPS

Initial										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.524	1.52	1.51	1.514	1.506	1.524	1.532	1.53	1.518	1.516
2	1.5	1.524	1.548	1.522	1.5	1.504	1.534	1.528	1.526	1.526
After 100 Cycles										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.5221	1.5001	1.4901	1.5261	1.5021	1.5141	1.5261	1.5321	1.5101	1.5281
2	1.5041	1.5241	1.5361	1.5141	1.5021	1.4841	1.5221	1.5361	1.5141	1.5181
After Thermal										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.53	1.522	1.514	1.526	1.524	1.534	1.528	1.53	1.528	1.526
2	1.524	1.52	1.53	1.54	1.512	1.512	1.532	1.538	1.528	1.53
After Humidity										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.538	1.522	1.514	1.526	1.518	1.504	1.506	1.542	1.518	1.548
2	1.54	1.532	1.524	1.536	1.528	1.502	1.522	1.542	1.526	1.516

MPT

Initial										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.814	1.874	1.84	1.846	1.836	1.886	1.882	1.838	1.932	1.732
2	1.872	1.884	1.926	1.812	1.87	1.792	1.898	1.88	1.896	1.786
After 100 Cycles										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.8661	1.8261	1.8701	1.8221	1.8501	1.7741	1.8341	1.8201	1.8561	1.7741
2	1.8001	1.8401	1.8201	1.8121	1.8301	1.8301	1.8461	1.8121	1.9061	1.7121
After Thermal										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.654	1.686	1.67	1.688	1.66	1.664	1.674	1.648	1.72	1.602
2	1.692	1.676	1.7	1.652	1.682	1.646	1.702	1.686	1.686	1.628
After Humidity										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.667	1.734	1.708	1.724	1.706	1.734	1.7	1.698	1.736	1.662
2	1.706	1.736	1.734	1.716	1.728	1.672	1.732	1.7	1.716	1.686

CONTACT GAPS: 2 POSITION (V-V)

MPS

Initial										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.488	1.52	1.52	1.524	1.526	1.534	1.52	1.522	1.496	1.526
2	1.532	1.53	1.526	1.518	1.53	1.514	1.51	1.522	1.536	1.532
After 100 Cycles										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.4801	1.5141	1.5141	1.5281	1.5161	1.5401	1.5241	1.5201	1.4901	1.5301
2	1.5201	1.5121	1.5201	1.5181	1.5201	1.5041	1.5161	1.5321	1.5101	1.5181
After Thermal										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.486	1.528	1.538	1.526	1.528	1.544	1.54	1.506	1.522	1.538
2	1.544	1.53	1.544	1.542	1.538	1.526	1.52	1.524	1.546	1.556
After Humidity										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.492	1.528	1.52	1.5	1.528	1.504	1.532	1.498	1.496	1.54
2	1.51	1.51	1.528	1.522	1.534	1.534	1.498	1.524	1.542	1.526

MPT

Initial										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.792	1.824	1.814	1.806	1.81	1.79	1.814	1.814	1.82	1.792
2	1.798	1.778	1.794	1.808	1.82	1.796	1.816	1.766	1.836	1.792
After 100 Cycles										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.7661	1.7981	1.7861	1.8041	1.7741	1.7761	1.7901	1.7981	1.7821	1.7781
2	1.7561	1.7761	1.7761	1.8081	1.8021	1.7621	1.8141	1.7841	1.7741	1.7881
After Thermal										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.64	1.676	1.66	1.654	1.656	1.62	1.67	1.646	1.648	1.638
2	1.626	1.654	1.654	1.667	1.656	1.618	1.68	1.654	1.64	1.664
After Humidity										
Measured in Millimeters										
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**	**B9**	**B10**
1	1.766	1.648	1.64	1.652	1.664	1.622	1.678	1.638	1.67	1.652
2	1.9	1.664	1.652	1.672	1.654	1.642	1.648	1.66	1.682	1.638

CONTACT GAPS: 8 POSITION (RA-V)

MPS

Initial					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.518	1.506	1.5	1.488	1.502
2	1.51	1.516	1.496	1.472	1.496
3	1.502	1.524	1.492	1.468	1.452
4	1.5	1.504	1.508	1.484	1.476
5	1.486	1.5	1.474	1.508	1.484
6	1.494	1.496	1.494	1.498	1.476
7	1.49	1.51	1.504	1.498	1.474
8	1.518	1.514	1.496	1.464	1.498
After 100 Cycles					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.5001	1.5201	1.4781	1.4981	1.4821
2	1.5081	1.5121	1.4801	1.4721	1.4921
3	1.5181	1.5201	1.4901	1.4721	1.4501
4	1.5041	1.5041	1.5061	1.4801	1.4921
5	1.5021	1.5021	1.4901	1.4941	1.4841
6	1.4921	1.4481	1.5101	1.4941	1.4901
7	1.4841	1.4641	1.4801	1.4381	1.4901
8	1.5221	1.4521	1.4521	1.4781	1.5201
After Thermal					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.526	1.502	1.48	1.492	1.496
2	1.528	1.53	1.49	1.49	1.492
3	1.522	1.524	1.494	1.48	1.472
4	1.528	1.506	1.516	1.484	1.51
5	1.512	1.528	1.494	1.506	1.516
6	1.524	1.512	1.518	1.508	1.512
7	1.522	1.536	1.53	1.514	1.502
8	1.514	1.524	1.518	1.482	1.512
After Humidity					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.526	1.498	1.494	1.518	1.494
2	1.522	1.542	1.5	1.484	1.508
3	1.522	1.544	1.506	1.482	1.466
4	1.508	1.52	1.522	1.476	1.498
5	1.506	1.542	1.474	1.522	1.528
6	1.506	1.534	1.494	1.512	1.502
7	1.52	1.542	1.53	1.514	1.496
8	1.514	1.498	1.502	1.504	1.51

MPT

Initial					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.884	1.864	1.762	1.896	1.76
2	1.84	1.838	1.894	1.856	1.79
3	1.842	1.844	1.868	1.818	1.838
4	1.748	1.874	1.872	1.872	1.856
5	1.88	1.874	1.876	1.848	1.888
6	1.84	1.824	1.88	1.868	1.852
7	1.864	1.812	1.79	1.898	1.77
8	1.898	1.892	1.918	1.884	1.768

After 100 Cycles					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.9181	1.8801	1.8341	1.8841	1.8161
2	1.8441	1.8761	1.9201	1.8921	1.8401
3	1.8301	1.8581	1.8801	1.8621	1.8561
4	1.7441	1.9101	1.8701	1.8961	1.8981
5	1.8661	1.8981	1.8861	1.8781	1.8841
6	1.8521	1.8461	1.8381	1.8781	1.8901
7	1.7841	1.8561	1.7981	1.9061	1.8141
8	1.9081	1.8681	1.8441	1.8861	1.7901

After Thermal					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.658	1.68	1.598	1.664	1.614
2	1.642	1.644	1.664	1.654	1.638
3	1.662	1.658	1.676	1.64	1.664
4	1.596	1.69	1.674	1.676	1.672
5	1.688	1.682	1.674	1.656	1.692
6	1.662	1.66	1.672	1.674	1.67
7	1.654	1.648	1.626	1.68	1.632
8	1.688	1.678	1.678	1.67	1.636

After Humidity					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.7	1.734	1.654	1.72	1.654
2	1.684	1.686	1.724	1.726	1.684
3	1.708	1.69	1.692	1.7	1.684
4	1.662	1.732	1.748	1.724	1.71
5	1.658	1.738	1.716	1.712	1.704
6	1.724	1.712	1.728	1.726	1.667
7	1.722	1.672	1.66	1.716	1.656
8	1.724	1.712	1.71	1.7	1.668

CONTACT GAPS: 8 POSITION (V-V)

MPS

Initial					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.48	1.488	1.472	1.468	1.502
2	1.448	1.496	1.464	1.474	1.504
3	1.484	1.508	1.474	1.462	1.5
4	1.488	1.494	1.476	1.484	1.494
5	1.498	1.462	1.506	1.478	1.49
6	1.494	1.488	1.468	1.462	1.484
7	1.482	1.476	1.5	1.458	1.472
8	1.46	1.498	1.514	1.53	1.524

After 100 Cycles					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.476	1.486	1.472	1.476	1.496
2	1.444	1.496	1.47	1.476	1.498
3	1.486	1.496	1.46	1.462	1.51
4	1.492	1.492	1.498	1.484	1.498
5	1.472	1.468	1.518	1.482	1.498
6	1.478	1.496	1.472	1.468	1.484
7	1.47	1.496	1.504	1.464	1.482
8	1.466	1.512	1.518	1.536	1.52

After Thermal					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.482	1.49	1.462	1.484	1.502
2	1.458	1.5	1.476	1.478	1.5
3	1.494	1.508	1.482	1.474	1.51
4	1.504	1.5	1.502	1.51	1.502
5	1.506	1.48	1.524	1.508	1.494
6	1.498	1.506	1.49	1.492	1.516
7	1.504	1.51	1.524	1.474	1.514
8	1.486	1.5	1.536	1.526	1.532

After Humidity					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.494	1.482	1.464	1.48	1.49
2	1.448	1.49	1.508	1.48	1.58
3	1.514	1.484	1.49	1.484	1.532
4	1.49	1.498	1.528	1.496	1.514
5	1.5	1.468	1.542	1.518	1.498
6	1.488	1.528	1.5	1.488	1.5
7	1.51	1.516	1.542	1.488	1.526
8	1.47	1.516	1.526	1.522	1.518

MPT

Initial					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.784	1.82	1.796	1.812	1.796
2	1.8	1.826	1.808	1.806	1.812
3	1.836	1.814	1.792	1.81	1.8
4	1.818	1.808	1.802	1.802	1.812
5	1.8	1.776	1.8	1.878	1.808
6	1.832	1.798	1.8	1.812	1.798
7	1.824	1.822	1.808	1.822	1.808
8	1.8	1.838	1.806	1.808	1.798

After 100 Cycles					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.812	1.826	1.828	1.876	1.814
2	1.818	1.828	1.844	1.86	1.852
3	1.85	1.838	1.804	1.856	1.83
4	1.828	1.836	1.812	1.842	1.848
5	1.824	1.81	1.82	1.884	1.828
6	1.832	1.836	1.834	1.842	1.81
7	1.84	1.864	1.824	1.84	1.838
8	1.806	1.892	1.824	1.84	1.824

After Thermal					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.626	1.662	1.646	1.638	1.646
2	1.65	1.67	1.648	1.65	1.654
3	1.665	1.654	1.644	1.65	1.662
4	1.662	1.652	1.652	1.648	1.667
5	1.65	1.642	1.654	1.696	1.654
6	1.665	1.654	1.658	1.664	1.646
7	1.667	1.65	1.667	1.648	1.648
8	1.638	1.668	1.664	1.664	1.652

After Humidity					
Measured in Millimeters					
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**
1	1.582	1.668	1.636	1.636	1.624
2	1.626	1.667	1.667	1.648	1.652
3	1.64	1.646	1.65	1.644	1.654
4	1.64	1.664	1.626	1.652	1.67
5	1.616	1.634	1.634	1.7	1.636
6	1.652	1.642	1.662	1.674	1.63
7	1.667	1.658	1.668	1.654	1.644
8	1.634	1.654	1.648	1.652	1.642

DATA Continued

MATING/UNMATING: 2 POSITION

RA-V

	Initial				After 5 Cycles			
	Mating		**Unmating**		**Mating**		**Unmating**	
Sample#	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	21.1	1.32	14.2	0.89	25.4	1.59	18.7	1.17
2	21.4	1.34	15.2	0.95	21.0	1.31	19.4	1.21
3	21.4	1.34	15.2	0.95	20.2	1.26	18.9	1.18
4	36.3	2.27	19.4	1.21	39.5	2.47	26.4	1.65
5	18.7	1.17	16.5	1.03	21.6	1.35	20.0	1.25
6	16.2	1.01	13.8	0.86	18.4	1.15	17.8	1.11
7	17.8	1.11	15.7	0.98	22.1	1.38	21.8	1.36
8	19.5	1.22	14.4	0.90	23.0	1.44	20.5	1.28
9	21.0	1.31	16.0	1.00	22.1	1.38	20.5	1.28
10	20.8	1.30	14.4	0.90	22.9	1.43	21.0	1.31

	After Thermal				After Humidity			
	Mating		**Unmating**		**Mating**		**Unmating**	
Sample#	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	12.6	0.79	7.5	0.47	12.4	0.78	12.9	0.80
2	13.4	0.84	11.0	0.69	14.8	0.92	14.9	0.93
3	12.3	0.77	10.7	0.67	15.4	0.96	16.3	1.02
4	11.2	0.70	9.1	0.57	14.7	0.92	15.4	0.96
5	10.9	0.68	11.0	0.69	12.7	0.79	14.1	0.88
6	11.5	0.72	12.3	0.77	13.9	0.87	14.8	0.93
7	13.1	0.82	13.9	0.87	16.1	1.01	16.5	1.03
8	14.2	0.89	11.5	0.72	13.8	0.86	14.7	0.92
9	12.5	0.78	12.6	0.79	16.7	1.04	18.0	1.13
10	12.8	0.80	10.9	0.68	13.8	0.86	13.6	0.85

V-V

	Initial				After 100 Cycles			
	Mating		**Unmating**		**Mating**		**Unmating**	
Sample#	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	27.0	1.69	15.2	0.95	18.6	1.16	14.7	0.92
2	26.6	1.66	12.6	0.79	19.2	1.20	13.9	0.87
3	30.9	1.93	13.3	0.83	19.7	1.23	12.5	0.78
4	36.8	2.30	29.0	1.81	19.0	1.19	16.3	1.02
5	22.7	1.42	17.1	1.07	20.6	1.29	20.6	1.29
6	12.0	0.75	12.0	0.75	12.8	0.80	12.5	0.78
7	12.8	0.80	14.4	0.90	14.6	0.91	14.9	0.93
8	14.2	0.89	15.5	0.97	17.4	1.09	16.5	1.03
9	15.0	0.94	15.4	0.96	15.2	0.95	16.0	1.00
10	15.7	0.98	15.7	0.98	15.8	0.99	15.0	0.94

	After Thermal				After Humidity			
	Mating		**Unmating**		**Mating**		**Unmating**	
Sample#	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	39.5	2.47	24.6	1.54	8.9	0.56	9.9	0.62
2	24.3	1.52	8.0	0.50	11.2	0.70	9.9	0.62
3	20.5	1.28	12.3	0.77	10.2	0.64	8.8	0.55
4	32.2	2.01	4.8	0.30	8.3	0.52	8.6	0.54
5	36.3	2.27	25.1	1.57	10.7	0.67	11.7	0.73
6	24.0	1.50	14.9	0.93	10.9	0.68	12.0	0.75
7	8.5	0.53	11.0	0.69	12.8	0.80	12.3	0.77
8	41.3	2.58	31.5	1.97	8.4	0.52	8.3	0.52
9	16.8	1.05	13.1	0.82	12.3	0.77	12.4	0.77
10	31.2	1.95	24.3	1.52	10.1	0.63	9.3	0.58

MATING/UNMATING: 8 POSITION

RA-V

	Initial				After 100 Cycles			
	Mating		**Unmating**		**Mating**		**Unmating**	
Sample#	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	77.6	4.85	70.9	4.43	76.8	4.80	69.4	4.34
2	84.8	5.30	65.8	4.11	84.3	5.27	75.0	4.69
3	79.0	4.94	70.1	4.38	85.4	5.34	84.5	5.28
4	84.6	5.29	71.7	4.48	85.6	5.35	75.0	4.69
5	79.5	4.97	70.1	4.38	75.0	4.69	70.9	4.43
6	73.9	4.62	69.6	4.35	86.7	5.42	78.9	4.93
7	75.5	4.72	70.4	4.40	79.4	4.96	77.6	4.85
8	75.7	4.73	61.1	3.82	76.0	4.75	68.8	4.30
9	65.9	4.12	64.3	4.02	71.0	4.44	70.7	4.42
10	76.3	4.77	69.0	4.31	77.8	4.86	72.3	4.52

	After Thermal				After Humidity			
	Mating		**Unmating**		**Mating**		**Unmating**	
Sample#	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	64.5	4.03	55.4	3.46	55.4	3.46	55.0	3.44
2	61.6	3.85	55.0	3.44	55.0	3.44	51.7	3.23
3	54.6	3.41	55.5	3.47	55.5	3.47	48.8	3.05
4	65.3	4.08	59.5	3.72	59.5	3.72	49.0	3.06
5	63.5	3.97	57.1	3.57	57.1	3.57	51.2	3.20
6	73.3	4.58	62.6	3.91	62.6	3.91	54.4	3.40
7	75.7	4.73	69.4	4.34	69.4	4.34	56.8	3.55
8	66.7	4.17	62.2	3.89	62.2	3.89	48.0	3.00
9	73.0	4.56	61.3	3.83	61.3	3.83	48.2	3.02
10	69.0	4.31	58.7	3.67	58.7	3.67	50.2	3.14

V-V

	Initial				After 5 Cycles			
	Mating		**Unmating**		**Mating**		**Unmating**	
Sample#	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	87.8	5.49	72.5	4.53	85.0	5.31	78.4	4.90
2	63.0	3.94	59.4	3.71	73.4	4.59	58.7	3.67
3	59.7	3.73	60.2	3.76	75.0	4.69	69.1	4.32
4	64.2	4.01	62.4	3.90	84.0	5.25	73.6	4.60
5	62.9	3.93	60.0	3.75	90.7	5.67	82.9	5.18
6	61.0	3.81	57.8	3.61	72.3	4.52	66.7	4.17
7	66.2	4.14	65.1	4.07	79.2	4.95	69.8	4.36
8	78.4	4.90	75.5	4.72	117.6	7.35	106.1	6.63
9	68.5	4.28	63.0	3.94	83.4	5.21	80.0	5.00
10	58.7	3.67	58.7	3.67	62.6	3.91	61.4	3.84

	After Thermal				After Humidity			
	Mating		**Unmating**		**Mating**		**Unmating**	
Sample#	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	52.6	3.29	55.4	3.46	43.4	2.71	42.2	2.64
2	48.2	3.01	55.8	3.49	41.1	2.57	42.4	2.65
3	73.4	4.59	57.9	3.62	46.2	2.89	43.7	2.73
4	50.6	3.16	48.5	3.03	47.8	2.99	47.6	2.97
5	89.8	5.61	56.2	3.51	46.2	2.89	39.0	2.44
6	68.0	4.25	45.9	2.87	40.9	2.56	40.1	2.50
7	104.8	6.55	65.4	4.09	42.3	2.64	40.3	2.52
8	65.4	4.09	55.2	3.45	43.0	2.69	41.8	2.62
9	79.8	4.99	53.1	3.32	42.6	2.66	43.1	2.69
10	62.4	3.90	45.4	2.84	39.3	2.46	36.5	2.28

EQUIPMENT AND CALIBRATION SCHEDULES

Equipment #: OGP-01
Description: 6"X 6" Video Measuring Machine
Manufacturer: Optical Gauging Products
Model: Smartscope 200 CFOV
Serial #: SF2001956
Accuracy: See Manual
… Last Cal: 03/13/07, Next Cal: 03/13/08

Equipment #: OV-03
Description: Cascade Tek Forced Air Oven
Manufacturer: Cascade Tek
Model: TFO-5
Serial #: 0500100
Accuracy: Temp. Stability: +/-.1C/C change in ambient
… Last Cal: 06/62/07, Next Cal: 06/22/08

Equipment #: TCT-03
Description: Dillon Quantrol TC2 Test Stand
Manufacturer: Dillon Quantrol
Model: TC2
Serial #: 02-1033-03
Accuracy: Speed Accuracy: +/- 5% of indicated speed; Displacement: +/- 5 micrometers.
… Last Cal: 5/18/07, Next Cal: 5/18/08

Equipment #: THC-04
Description: Temperature/Humidity Chamber
Manufacturer: Thermotron
Model: SM-8-3800
Serial #: 37782
Accuracy: See Manual
… Last Cal: 09/21/2007, Next Cal: 09/21/2008