



**TELEDYNE**  
**TEST SERVICES**  
A Teledyne Technologies Company

# QUIKLOOK II Software

- New Features 2009
- New Features 2010
- Software Error Notices
- Model change
- User discussion, questions, and suggestions
- Sensor Database

- Added Preference for Showing Over Ranging
- Security for Preferences & QUIKLOOK Customization File
- Turn Channels On & Off in Monitor Screen
- Added Ability to Drag & Drop Markers - Restricted to Zoom Levels < 0.5 seconds



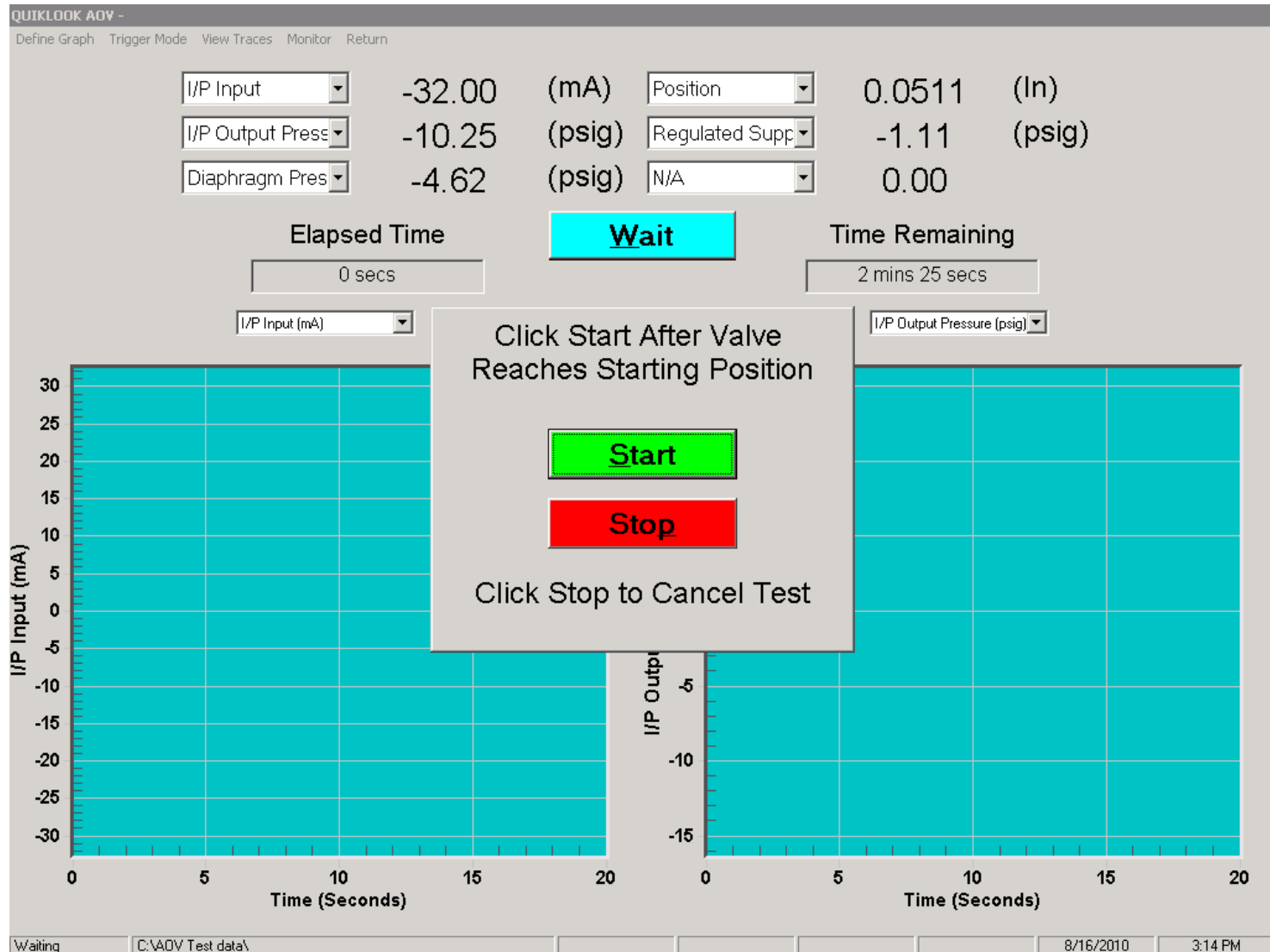
**TELEDYNE**  
**TEST SERVICES**  
A Teledyne Technologies Company

# New Features 2010

- Version 2010.227
  - To be released first week September.

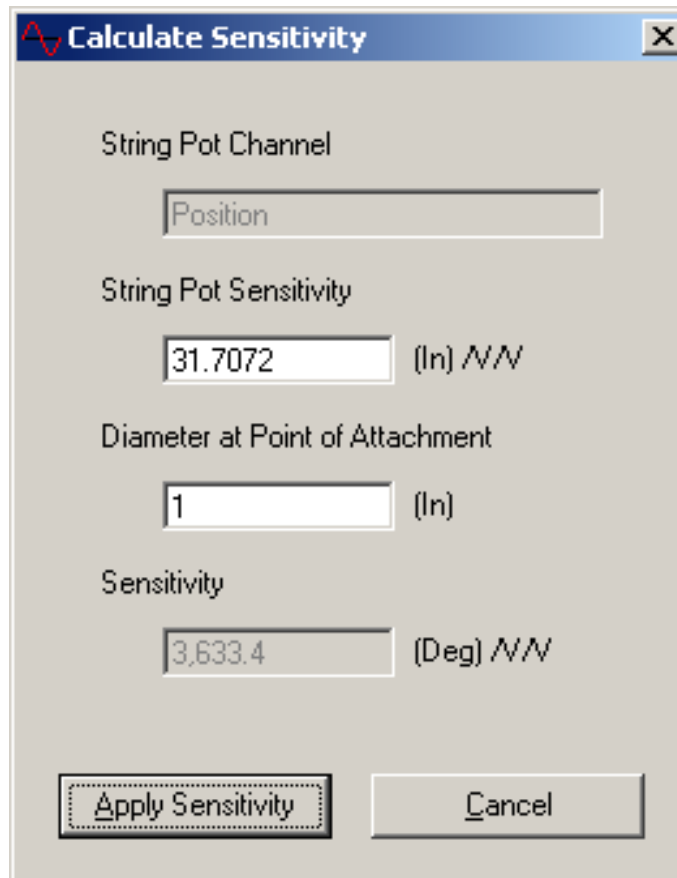


- Acquisition
  - For AOV: after Start is clicked the control signal is set to the initial value, then a second prompt to click to continue when valve is in position
  - For AOV: During tests instead of showing text boxes above the plots, show channel values similar to monitor screen. Includes test time, elapsed time & time remaining in bigger font to read from a distance.





- Configuration
  - Calc String Pot Sensitivity for rotary valves



Calculate Sensitivity

String Pot Channel  
Position

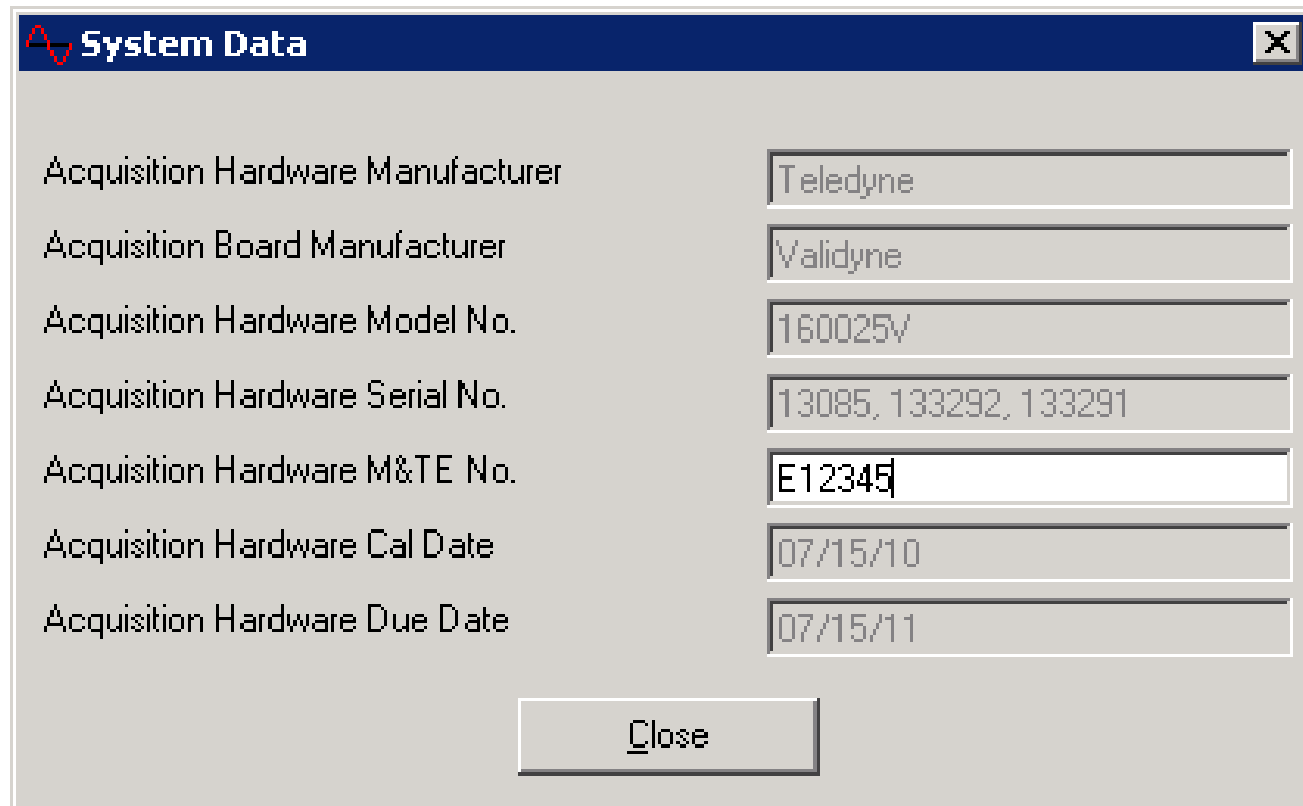
String Pot Sensitivity  
31.7072 (In) /V

Diameter at Point of Attachment  
1 (In)

Sensitivity  
3,633.4 (Deg) /V

Apply Sensitivity Cancel

- Configuration
  - Add System Data Form with M&TE field



The screenshot shows a software window titled "System Data" with a close button in the top right corner. The window contains a list of fields for system configuration, each with a corresponding text input field. The fields and their values are:

Acquisition Hardware Manufacturer	Teledyne
Acquisition Board Manufacturer	Validyne
Acquisition Hardware Model No.	160025V
Acquisition Hardware Serial No.	13085, 133292, 133291
Acquisition Hardware M&TE No.	E12345
Acquisition Hardware Cal Date	07/15/10
Acquisition Hardware Due Date	07/15/11

At the bottom center of the window is a "Close" button.



**Test Equipment - QA Report**

**Test Name:** 10069B10  
**Primary Name:** 3-LCV-006-0047B      **Secondary Name:** WO #09-718725

**Description:**

**Title:** Slow Ramp Test      **Test:** 10      **Date:** 03/10/2010 15:51:07

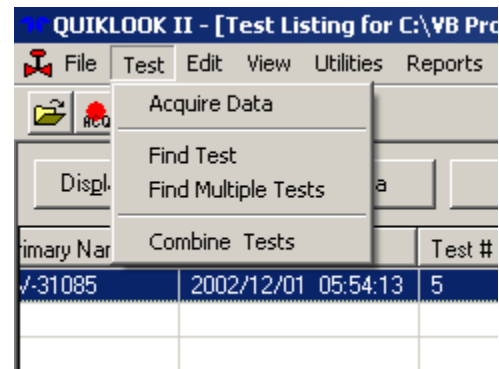
**Acquisition Hardware**

**Manufacturer:** Teledyne  
**Model No.:** 160025V  
**Serial No.:** 13231  
**M&TE No.:** E44531  
**Cal Date / Cal Due Date:** 02/12/10 - 02/12/11  
**Acquisition Software:** QLII 2009.322 11/18/2009 15:07:14

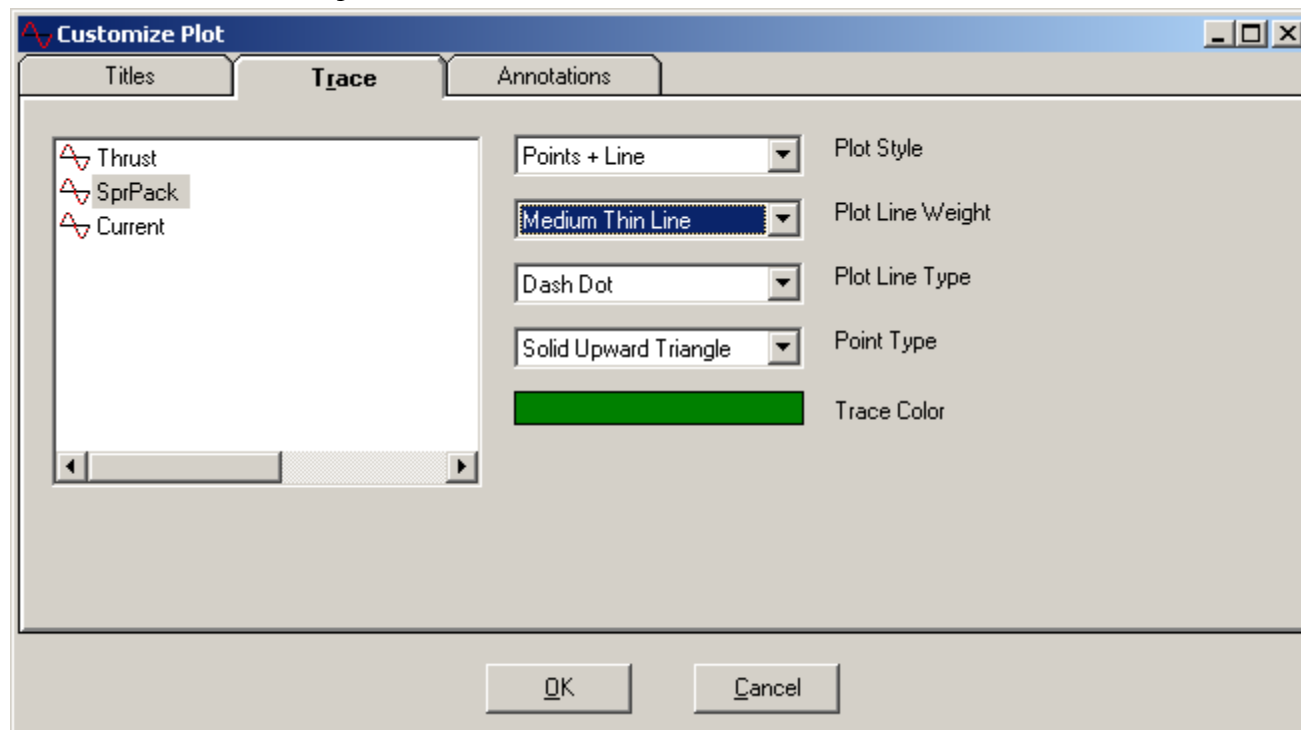
**Calibrated Equipment List**

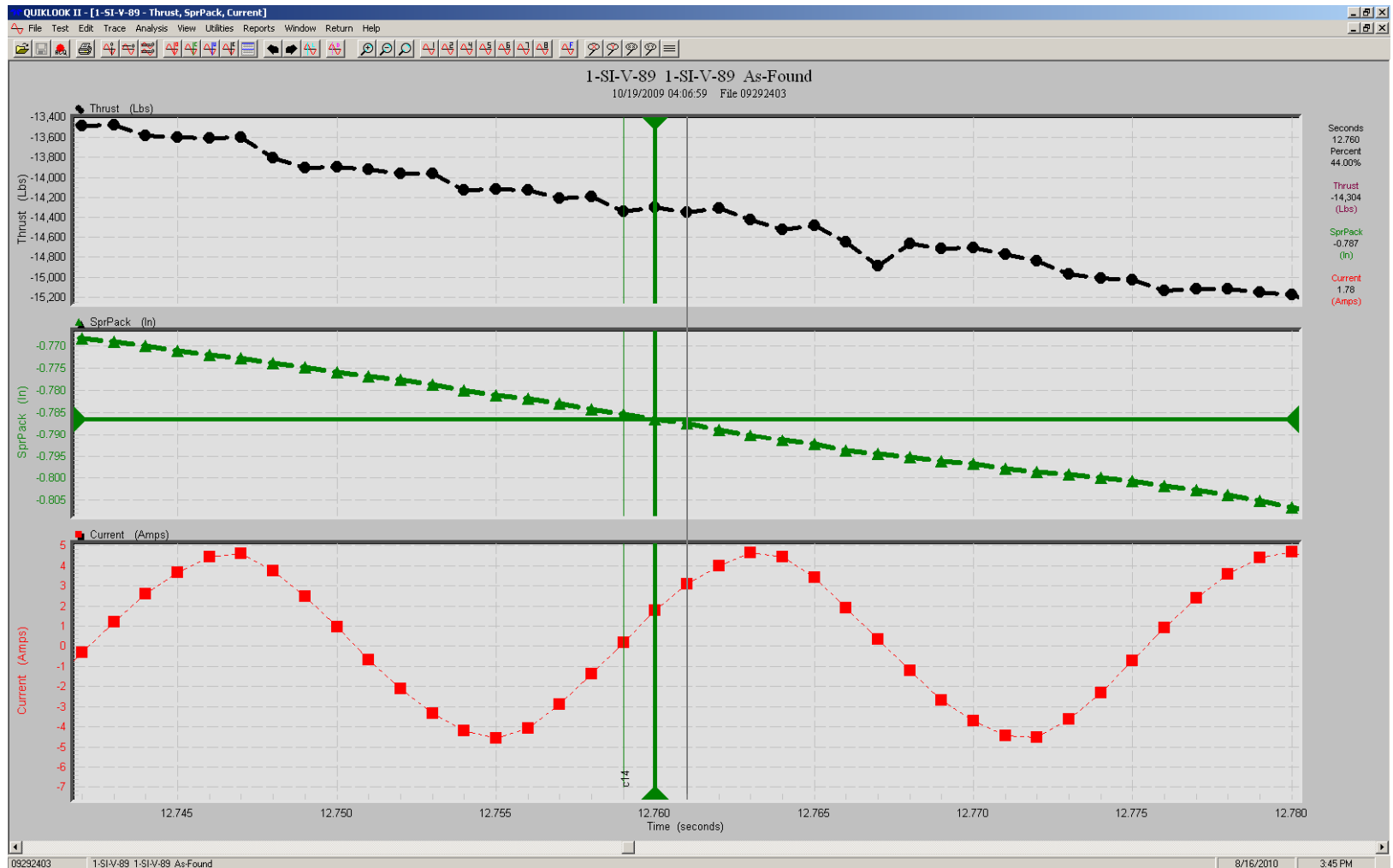
Ch #	Manufacturer	Model	Serial Number	Cal Date	Cal Due Date
1					
2	Teledyne	160076-30	E43504	2/1/2010	2/1/2011
3	Teledyne	160076-100	E43502	2/1/2010	2/1/2011
4	Teledyne		E44571	2/3/2010	2/3/2011
6	Teledyne	160076-100	E43505	2/1/2010	2/1/2011

- **Replay**
  - Overlay tests from different directories



- **Replay**
  - Ability to change lines to dots or triangles
  - Ability to change line weights and color on trace by trace basis.







- **Replay**
  - Multiple Monitors – Ensure that popup windows occur on same monitor
  - AOV - Ability to trend Friction and other calculated channels



- Analysis
  - Export To Excel AOV
  - Export to Excel with Office 2007
  - AOV - Variable Moment Arm
  - AOV - Variable Actuator Area

- **QUIKLOOK Reports**
  - All Reports
    - Added the ability to display a company logo beside Teledyne logo



## Test Equipment - QA Report

**Test Name:** 10069B10

**Primary Name:** 3-LCV-006-0047B

**Secondary Name:** WO #09-718725

**Description:**

**Title:** Slow Ramp Test

**Test:** 10

**Date:** 03/10/2010 15:51:07



- **QUIKLOOK Reports**
  - QLReportAOV
    - Added Transducer Report
    - Added Overall Report
    - Added Positioner Report
    - Added Mechanical Properties Report
    - Added Drop Test Report
    - Added Calibration Report
    - Added Configuration Report

- QUIKLOOK Reports
  - QLReportTrend
    - New Report
    - Added to QUIKLOOK the ability to extract multiple test data from tests selected for trending from Test Listing or Replay



**Tests**

Filename	Primary Name	Test Date	Test #	Secondary Name	Description
09292401	1-SI-V-89	10/19/2009 01:14:21	1	WO #	SI Pump B MiniFlow Isolation t
09292402	1-SI-V-89	10/19/2009 01:28:02	2	WO #	SI Pump B MiniFlow Isolation t
09292403	1-SI-V-89	10/19/2009 04:06:59	3	WO #	SI Pump B MiniFlow Isolation t
09292404	1-SI-V-89	10/19/2009 15:27:15	4	WO #	SI Pump B MiniFlow Isolation t

**Loads**

Filename	CST		
	(c14)		
	Time	Torque	Thrust
09292401	11.049	NA	-14,597
09292402	11.091	NA	-14,733
09292403	12.759	NA	-14,341
09292404	11.058	NA	-14,097

Filename	Pull Out		
	(o9)		
	Time	Torque	Thrust
09292401	NA	NA	NA
09292402	19.149	NA	1,772
09292403	NA	NA	NA
09292404	14.772	NA	-802.2

Filename	Max Total		
	(c16)		
	Time	Torque	Thrust
09292401	11.133	NA	-17,360
09292402	11.180	NA	-17,485
09292403	NA	NA	NA
09292404	11.133	NA	-16,715



**Running Loads**

Filename	Close (c4-c5)			Open (o13-o14)		
	Thrust	Torque	Current	Thrust	Torque	Current
09292401	NA	NA	NA	NA	NA	NA
09292402	-977.7	NA	2.94	212.4	NA	1.24
09292403	NA	NA	NA	NA	NA	NA
09292404	-737.3	NA	2.92	563.1	NA	2.96

**Stem Factor / COF**

Filename	Stem Factor		COF	
	(c14)	(o9)	(c14)	(o9)
09292401	NA	NA	NA	NA
09292402	NA	NA	NA	NA
09292403	NA	NA	NA	NA
09292404	NA	NA	NA	NA

**Stem Nut Wear**

Filename	Close			Open		
	Zero Ref.	Zero Ref.	Time	Zero Ref.	Zero Ref.	Time
	(c3a)	(c3b)	(c3a) - (c3b)	(o4a)	(o4b)	(o4a) - (O4b)
09292401	NA	NA	NA	NA	NA	NA
09292402	2.040	3.230	1.190	18.190	18.240	0.050
09292403	NA	NA	NA	NA	NA	NA
09292404	3.259	3.353	0.094	16.031	16.086	0.055



- **QUIKLOOK Reports**
  - QLReportAP1000
    - Westinghouse Specification
    - Valve Companies
      - Weir
      - Velan
      - Flowserve
      - Chinese Plants
      - New USA Plants

- Version 2009.322
  - Error Notice 2009.322.1
    - If a Single Ended or Differential sensor is used with excitation the excitation is not handled properly. The reading will be off by a factor equal to the excitation voltage and the sensor will also over range at 10% of full scale.
    - This error only occurs on acquisition systems which utilize the new Validyne board. This error does not apply to systems using the Keithley board or to desktop systems.
    - Version 2010.96 was released to address this problem

# Model Change

<b>Model</b>	<b>160026</b>	<b>160026V</b>
Acq Board Manufacturer	Keithley	Validyne
QL Software Version	Any Version	2010.96 or Later
CalQLII Version	Any Version	2010 or Later
AOV Capable	Needs Modification	No Mods Req'd
Excitation Voltage	5 volt	10 volt
Strain Gauge Ranges	2.5, 5.0, 10.0 mv/v	2.0, 4.0, 8.0 mv/v
Voltage Ranges	12.5mv, 25mv, 50mv, 100mv, 125mv, 250mv, 500mv, 1v, 1.25v, 2.5v, 5v, 10v	20mv, 40mv, 80mv, 160mv, 320mv, 640mv, 1.28v, 2.56v, 5.12v, 10.24v



**TELEDYNE**  
**TEST SERVICES**  
A Teledyne Technologies Company

- User discussion, questions, and suggestions



# Sensor Database

**Channel Data** [X]

Previous Channel 8 Next

Status Primary

Name SprPack

Units (In)

Description

Type Differential

Range +5 Vdc

Excitation Default

Sensitivity 1.000 (In)  $V/V$

Offset 0

Show Over Ranging

Close QSS Basic

**Sensor Information**

Type

Manufacturer

Model

Serial Number

Cal Date

Cal Due Date

Load Sensor

**Calculated Channels**

Generate Calculated Channel

Display Channel Default

Low Pass Filter Cut Off Frequency 10

**Apply Calibration**

Apply Calibration

Display Channel Default

Apply Calibration to Calculated Channel

Load Calibration

# Sensor Database

**Select Sensor** [X]

Filter

Sensor Type	Manufacturer	Model Number	Serial Number	Name
SPMD	Teledyne	P/N 159151	N/A	Position

Channel Data - Check Fields to be Updated

- Channel Name
- Units
- Type
- Range
- Excitation
- Sensitivity
- Cal Date
- Cal Due Date
- Sensor Information

OK Cancel



# Sensor Database

**Channel Data** [X]

Previous Channel 8 Next

Status Primary

Name Position

Units (In)

Description

Type 4-Wire Strain Gage

Range +2.5 mV/Vdc

Excitation Default

Sensitivity 1.000 (In) /mV/V

Offset 0

Show Over Ranging

Close QSS Basic

**Sensor Information**

Type

Manufacturer

Model

Serial Number

Cal Date

Cal Due Date

Load Sensor

**Calculated Channels**

Generate Calculated Channel

Display Channel Default

Low Pass Filter Cut Off Frequency 10

**Apply Calibration**

Apply Calibration

Display Channel Default

Apply Calibration to Calculated Channel

Load Calibration

# Sensor Database

**Channel Data** [X]

Previous Channel 1 Next

Status Primary

Name Current

Units (Amps)

Description

Type Differential

Range +250 mVdc

Excitation N/A

Sensitivity 1.000 (Amps) /mV

Offset 0

Show Over Ranging

Close QSS Basic

**Sensor Information**

Type

Manufacturer

Model

Serial Number

Cal Date

Cal Due Date

Load Sensor

**Calculated Channels**

Generate Calculated Channel

Display Channel Default

Low Pass Filter Cut Off Frequency 10

**Apply Calibration**

Apply Calibration

Display Channel Default

Apply Calibration to Calculated Channel

Load Calibration



# Sensor Database

**Select Sensor**

Filter

Sensor Type	Manufacturer	Model Number	Serial Number	Name
Current Probe - AC	N/A	MN103	AC12346	Current
Current Probe - AC	N/A	MN375	MP1234	Current
Current Probe - AC	N/A	MN375	MP1235	Current
Current Probe - AC	N/A	MN375	MP1236	Current
Current Probe - AC	N/A	SR751	N/A	Current
Current Probe - DC	N/A	MD 400, 410	N/A	Current
Current Probe - DC	N/A	SL206	N/A	Current

Channel Data - Check Fields to be Updated

Channel Name

Units

Type

Range

Excitation

Sensitivity

Cal Date

Cal Due Date

Sensor Information

Select Range

Use 1.25 \* Locked Rotor Amps FLA  (Amps)

Use 10 X FLA

Range	Current	Switch Setting	Sensitivity
+12.5 mVdc	12.5	N/A	1
+25 mVdc	25	N/A	1
+50 mVdc	50	N/A	1
+100 mVdc	100	N/A	1
+250 mVdc	250	N/A	1
+500 mVdc	500	N/A	1
+1.25 Vdc	1000	N/A	1000
+2.5 Vdc	1200	N/A	1000

OK Cancel

# Sensor Database

**Channel Data** [X]

Previous Channel 1 Next

Status Primary

Name Current

Units (Amps)

Description

Type Differential

Range +100 mVdc

Excitation N/A

Sensitivity 1.000 (Amps) /mV

Offset 0

Show Over Ranging

Close QSS Basic

**Sensor Information**

Type

Manufacturer

Model

Serial Number

Cal Date

Cal Due Date

Load Sensor

**Calculated Channels**

Generate Calculated Channel

Display Channel Default

Low Pass Filter Cut Off Frequency 10

**Apply Calibration**

Apply Calibration

Display Channel Default

Apply Calibration to Calculated Channel

Load Calibration

**Select Sensor** [X]

Filter

Sensor Type	Manufacturer	Model Number	Serial Number	Name
Current Probe - AC	N/A	MN103	AC12346	Current
Current Probe - AC	N/A	MN375	MP1234	Current
Current Probe - AC	N/A	MN375	MP1235	Current
Current Probe - AC	N/A	MN375	MP1236	Current
Current Probe - AC	N/A	SR751	N/A	Current
Current Probe - DC	N/A	MD 400, 410	N/A	Current
Current Probe - DC	N/A	SL206	N/A	Current

Channel Data - Check Fields to be Updated

Channel Name

Units

Type

Range

Excitation

Sensitivity

Cal Date

Cal Due Date

Sensor Information

Select Range

Use 1.25 \* Locked Rotor Amps FLA  (Amps)

Use 10 X FLA

Range	Current	Switch Setting	Sensitivity
+1.25 Vdc	1.25	10 A	1
+2.5 Vdc	2.5	10 A	1
+5 Vdc	5	10 A	1
+10 Vdc	10	10 A	1
+12.5 mVdc	12.5	100 A	1
+25 mVdc	25	100 A	1
+50 mVdc	50	100 A	1
+100 mVdc	100	100 A	1
+125 mVdc	125	100 A	1

OK Cancel

# Sensor Database

**Channel Data** [X]

Previous Channel 1 Next

Status Primary

Name Current

Units (Amps)

Description

Type Differential

Range +5 Vdc

Excitation N/A

Sensitivity 1.000 (Amps) /V

Offset 0

Show Over Ranging

Close QSS Basic

**Sensor Information**

Type Current Probe - AC

Manufacturer N/A

Model MN103

Serial Number AC12346

Cal Date 2/7/2007

Cal Due Date 2/7/2008

Load Sensor

**Calculated Channels**

Generate Calculated Channel

Display Channel Default

Low Pass Filter Cut Off Frequency 10

**Apply Calibration**

Apply Calibration

Display Channel Default

Apply Calibration to Calculated Channel

Load Calibration



**Test Equipment - QA Report**

**Test Name:** 10069B10  
**Primary Name:** 3-LCV-006-0047B      **Secondary Name:** WO #09-718725

**Description:**

**Title:** Slow Ramp Test      **Test:** 10      **Date:** 03/10/2010 15:51:07

**Acquisition Hardware**

**Manufacturer:** Teledyne  
**Model No.:** 160025V  
**Serial No.:** 13231  
**M&TE No.:** E44531  
**Cal Date / Cal Due Date:** 02/12/10 - 02/12/11  
**Acquisition Software:** QLII 2009.322 11/18/2009 15:07:14

**Calibrated Equipment List**

Ch #	Manufacturer	Model	Serial Number	Cal Date	Cal Due Date
1					
2	Teledyne	160076-30	E43504	2/1/2010	2/1/2011
3	Teledyne	160076-100	E43502	2/1/2010	2/1/2011
4	Teledyne		E44571	2/3/2010	2/3/2011
6	Teledyne	160076-100	E43505	2/1/2010	2/1/2011