

CALIBRATION SUMMARY REPORT

SAMPLE COMPANY

1234 PLANT ROAD
CHARLOTTE, NC 28277

JIM SMITH

SERVICE PERIOD: 3/1/2008 THRU 3/31/2008

Total Instruments: 3



Instrument ID	Description	As Found As Left	Calibrated	Next Service Date
FS-1513	Example of Pass / Fail Report	<u>Found In Tolerance</u> CALIBRATED	3/16/2008	3/31/2009
This report & service is typical for Switches and Operational Checks/Verfication				
HACH 1720E	WATER ANALYZER	<u>Found In Tolerance</u> CALIBRATED	3/19/2008	6/30/2008
This report & service is for most calibrations and is compliant with the ANSI Z540 Documentation Requirements				
PT-7153	SUPPLY WATER PRESSURE	<u>Found In Tolerance</u> CALIBRATED	3/21/2008	6/30/2008
This report & service is for more Advanced Calibrations requiring compliance to ISO17025 Standard & Uncertainty Calculations				
PT-7153-Trend	SUPPLY WATER PRESSURE TREND ANALYSIS	<u>Found In Tolerance</u> CALIBRATED	3/21/2008	6/30/2008

The Trend Analysis report is used to evaluate the longer term operational performance of an instrument. After data has been collected over several calibrations, the results can be plotted to allow the technician and end user to evaluate how the device performs in relation to maintaining calibration and trending out of tolerance.

CERTIFICATE OF CALIBRATION

ISI Form: 1150-2/21/08

Certification Number: 03.16.08.FS-1513

EXAMPLE: Pass / Fail Calibration Report

1234 PLANT ROAD
CHARLOTTE, NC 28277

JIM SMITH



12857 E. Independence Blvd., Suite F
Matthews, North Carolina 28105
800-532-0415 FAX:888-367-3571
www.ISIservesYOU.com

EQUIPMENT INFORMATION:

Instrument ID	FS-1513	Manufacturer	AUTOMATION CONTROLS
Description	SYSTEM FLOW INDICATION	Model Number	PAS31DA94
Location	DI WATER PROCESS	Serial Number	987651234

SERVICE INFORMATION:

Frequency	ANNUALLY	Environmental Conditions	Acceptable Parameters
Classification	ISO9001	Calibrated	3/16/2008
Calibration Type	ROUTINE	Next Calibration Due Date	3/31/2009
Sop Number	ISI-WI-1100	As Found Status	In Tolerance
		As Left Results	In Tolerance

ISI certifies that the above listed Instrument(s) meets or exceeds specifications as stated in the service agreement or purchase order unless stated otherwise. The Calibration Standards used to perform the calibration of the Instrument(s) above are traceable to the National Institute of Standards and Technology (N.I.S.T). ISI is registered to ISO9001:2000 and accredited to ISO/IEC 17025:2005 for calibration. ISI's systems, processes, procedures, and work performed conform to the requirements of ISO9001:2000, ISO17025:2005, MIL-STD-45662A, ANSI/NCSL Z540-1-1994, 21CFR Part 11, ISO 10012 part 1, and AMS2750 as applicable and referenced in the service agreement and/or purchase order. The standard referenced is indicated in the Classification Type Above.

The "pass/fail" indication provided on this report is for your convenience and is an opinion and/or interpretation of the compliance/noncompliance of the results of the measurements. It is the end-users responsibility to evaluate the compliance/noncompliance of the Instrument(s) based on the usage of the instrument and the measurement requirements. The responsibilities of ISI shall, in no event, exceed the cost of the service performed.

This calibration certificate applies only to the Instrument(s) listed above and shall not be reproduced except in full without the written permission of the Quality Manager of ISI.

CALIBRATION RESULTS

PASSED OPERATIONAL / VERIFICATION TEST:

Operational / Verification testing was performed on the device to determine if the device is performing to the desired parameters. After evaluating the device, it has been determined that the device is functioning normally and meets performance requirements.

Test Instruments Used During the Calibration

<u>Test Instrument ID</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>Last Cal Date</u>	<u>Next Cal Date</u>
7281617	FLUKE	7281617	6/8/2007	6/30/2008

Notes about this Calibration

Calibrated By: Tony Hagwood

ISI utilizes Electronic Signature in compliance with 21 CFR part 11

Job No. / Service:8723-000 / PM SERVICE



CERTIFICATE OF CALIBRATION

ISI Form: 1150-2/21/08

Certification Number: **03.19.08.HACH 1720E**

EXAMPLE: Standard Calibration Report

1234 PLANT ROAD
CHARLOTTE, NC 28277

JIM SMITH



EQUIPMENT INFORMATION:

Instrument ID HACH 1720E
Description WATER ANALYZER
Location DI WATER PROCESS

Manufacturer HACH
Model Number 1720E
Serial Number 987654321

SERVICE INFORMATION:

Frequency QUARTERLY
Classification ISO9001
Calibration Type ROUTINE
Sop Number HACH 1720E

Environmental Conditions 74 °F / 38 %RH
Calibrated 3/19/2008
Next Calibration Due Date **6/30/2008**
As Found Status In Tolerance
As Left Results In Tolerance

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The "pass/fail" indication provided on this report is for your convenience and is an opinion and/or interpretation of the compliance/noncompliance of the results of the measurements. It is the end-users responsibility to evaluate the compliance/noncompliance of the Instrument(s) based on the usage of the instrument and the measurement requirements. The responsibilities of ISI shall, in no event, exceed the cost of the service performed.

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CALIBRATION RESULTS

Calibration Type: TURBIDITY

Tolerance Specification:

2.000 % of Output Reading
0.100 (+/-) Output Reading

	Range	Units
Applied	0.00 to 3.00	NTU
Measured	0.00 to 3.00	NTU

<u>Applied</u>	<u>Measured</u>	<u>Low Tolerance</u>	<u>High Tolerance</u>	<u>As Found</u>	<u>As Left</u>	<u>Pass / Fail</u>	<u>Adjusted</u>
0.000	0.000	-0.100	0.100	0.010	0.010	Pass	NO
20.000	20.000	19.500	20.500	20.010	20.010	Pass	NO

Test Instruments Used During the Calibration

<u>Test Instrument ID</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>Last Cal Date</u>	<u>Next Cal Date</u>
LOT# 4512	HACH	4212	12/17/2007	12/31/2008

Notes about this Calibration

Calibrated By: Tony Hagwood

ISI utilizes Electronic Signature in compliance with 21 CFR part 11

Job No. / Service:8723-000 / PM SERVICE



CERTIFICATE OF CALIBRATION

ISI Form: 1150-2/21/08

Certification Number: 03.18.07.PT-7153

EXAMPLE: ISO17025 Accredited Calibration Report

1234 PLANT ROAD
CHARLOTTE, NC 28277
JIM SMITH



EQUIPMENT INFORMATION:

Instrument ID	PT-7153	Manufacturer	ROSEMOUNT
Description	SUPPLY WATER PRESSURE	Model Number	3051GP5
Location	DI WATER PROCESS	Serial Number	123123123123

SERVICE INFORMATION:

Frequency	QUARTERLY	Environmental Conditions	65 °F / 34 %RH
Classification	ISO17025	Calibrated	3/18/2008
Calibration Type	ROUTINE	Next Calibration Due Date	6/30/2008
Sop Number	WI-ISI-SCP-01.2	As Found Status	Out of Tolerance
		As Left Results	In Tolerance - Adjustment

ISI certifies that the above listed Instrument(s) meets or exceeds specifications as stated in the service agreement or purchase order unless stated otherwise. The Calibration Standards used to perform the calibration of the Instrument(s) above are traceable to the National Institute of Standards and Technology (N.I.S.T). ISI is registered to ISO9001:2000 and accredited to ISO/IEC 17025:2005 for calibration. ISI's systems, processes, procedures, and work performed conform to the requirements of ISO9001:2000, ISO17025:2005, MIL-STD-45662A, ANSI/NCCL Z540-1-1994, 21CFR Part 11, ISO 10012 part 1, and AMS2750 as applicable and referenced in the service agreement and/or purchase order. The the standard referenced is indicated in the Classification Type Above.

The "pass/fail" indication provided on this report is for your convenience and is an opinion and/or interpretation of the compliance/noncompliance of the results of the measurements. It is the end-users responsibility to evaluate the compliance/noncompliance of the Instrument(s) based on the usage of the instrument and the measurement requirements. The responsibilities of ISI shall, in no event, exceed the cost of the service performed.

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Total Measurement Uncertainty is calculated based on two standard deviations, coverage factor k=2 (k=2 defines the interval having a level of confidence of approximately 95%). The Uncertainty Values listed below are based on On-site/field studies and data analysis and indicate the measurement capability of the test equipment used, Field Service Engineer training and knowledge, standard environmental factors, and industry standard devices; actual uncertainty may deviate slightly based on the actual performance factors for the Instrument(s) listed above. Reference ISI's Scope of Accreditation and contract ISI's Technical Manager or Quality Manager for additional information.

An automated statement is produced in the Calibration Results section on this certificate in accordance with the ILAC-G8 Guidelines.

<u>Parameter</u>	<u>Uncertainty</u>
PRESSURE (700P07)	0.0 PSI to 500.0 PSI U=0.45 PSI

CALIBRATION RESULTS

Calibration Type: PRESSURE

Tolerance Specification:
1.00 % of Output Full Range

	Range	Units
Applied	0.00 to 200.00	PSIG
Measured	4.00 to 20.00	mA

Applied	Measured	Low Tolerance	High Tolerance	As Found	As Left	Pass / Fail	Adjusted
0.0	4.00	3.84	4.16	4.09	4.01	Pass	YES
50.0	8.00	7.84	8.16	8.10	8.01	Pass	YES
100.0	12.00	11.84	12.16	12.13	12.02	Pass	YES
150.0	16.00	15.84	16.16	16.19	16.01	Pass	YES
200.0	20.00	19.84	20.16	20.23	20.03	Pass	YES

Test Instruments Used During the Calibration

Test Instrument ID	Manufacturer	Serial Number	Last Cal Date	Next Cal Date
7286603	FLUKE	7286603	8/24/2007	8/31/2008
9133021	FLUKE	9133021	2/21/2007	2/29/2008

Notes about this Calibration

ADJUSTED UNIT AND CLEARED LINE. ALSO FLUSHED THE MANIFOLD, TRASH CONTINUES TO BUILD UP IN THIS UNIT. IT IS RECOMMENED THAT AN ISOLATION SEAL BE INTEGRATED INTO THE SYSTEM TO PREVENT THIS ISSUE. THIS HAS CONSISTANTLY BEEN A PROBLEM OVER TIME.

Calibrated By: Tony Hagwood

ISI utilizes Electronic Signature in compliance with 21 CFR part 11

Job No. / Service:8723-000 / PM SERVICE



INSTRUMENT CALIBRATION TREND (Maximum Deviation Over Time)

SAMPLE COMPANY

Instrument ID PT-7153

Description SUPPLY WATER PRESSURE

Department

Status CALIBRATED

Manufacturer ROSEMOUNT

Model Number 3051GP5

Serial Number 123123123123

Calibration Frequency QUARTERLY

Deviation Over Time

