



INSTRUMENT PROCESSING SHEET

Agency Florida Highway Patrol

S/N 80-001120

Florida Department of Law Enforcement

Date In 07/03/2018 DI Completion Date 07/05/2018

Ship P/U H/D CMI EE

Intake Performed By <u>MDA</u> <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Registration <input type="checkbox"/> Return from CMI / EE Visual Inspection: <input checked="" type="checkbox"/> Case <input checked="" type="checkbox"/> Handle <input checked="" type="checkbox"/> Keyboard <input checked="" type="checkbox"/> Dry Gas Shelf <input checked="" type="checkbox"/> Feet <input checked="" type="checkbox"/> Breath Tube <input checked="" type="checkbox"/> Ports <input checked="" type="checkbox"/> Screws Tight Other Equipment/ Accessories: <input type="checkbox"/> Power cord <input type="checkbox"/> Printer Cable <input checked="" type="checkbox"/> Static Bag <input type="checkbox"/> 12V DC Cable Notes: _____ _____ _____	Quality Checks Performed By <u>SELL</u> <input checked="" type="checkbox"/> Breath Tube Screen <input checked="" type="checkbox"/> Replace External O-Rings <input checked="" type="checkbox"/> Instrument Set Up Verified <input checked="" type="checkbox"/> R-Value <u>217</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP 101</u> 32 mm <u>.148</u> (.139 - .169) 36 mm <u>.164</u> (.156 - .190) 53 mm <u>.235</u> (.228 - .278) 103 mm <u>.515</u> (.447 - .547) <input checked="" type="checkbox"/> Barometric Pressure Check Gauge ID # <u>28199</u> <input checked="" type="checkbox"/> Stability Checks <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td>SD3967</td> <td>201707D 07/25/2019</td> </tr> <tr> <td>0.080</td> <td>SD3968</td> <td>201707E 07/25/2019</td> </tr> <tr> <td>0.200</td> <td>SD3969</td> <td>201707C 07/24/2019</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>AG805701 02/26/2020</td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.050	SD3967	201707D 07/25/2019	0.080	SD3968	201707E 07/25/2019	0.200	SD3969	201707C 07/24/2019	0.080 DGS	N/A	AG805701 02/26/2020	Flow Calibration Performed By _____ Flow Column # _____ <input type="checkbox"/> 5L/min - 17mm <input type="checkbox"/> 15L/min - 53mm <input type="checkbox"/> 30L/min - 103mm <input type="checkbox"/> R-Value _____ <input type="checkbox"/> Post Calibration Verification (L/s) Flow Column # _____ 32 mm _____ (.139 - .169) 36 mm _____ (.156 - .190) 53 mm _____ (.228 - .278) 103 mm _____ (.447 - .547)
Simulator	Serial #	Lot #/Exp															
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0.080 DGS	N/A	AG805701 02/26/2020															

Final Release Date
 FDLE
 JUL 30 2018
 Alcohol Testing Program

Maintenance Performed By _____
 Battery Replacement
 Dry Gas Regulator Replacement
 Breath Tube Replacement
 Other _____

Temperature Checks Performed By SELL
 Lab Temp °C 22.66C
 External Digital Therm. ID#: 300949
 34°C +/- .2 Serial #: SD3967
 34°C +/- .2 Serial #: SD3968
 34°C +/- .2 Serial #: SD3969

Calibration Adjustment Performed By SELL
 Barometric Pressure Gauge 1019 ID # 28663

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2108	17410	12/06/2019
0.100	2137	18070	02/26/2020
0.200	2138	17340	10/09/2019
0.300	2139	18110	04/02/2020
0.080 DGS	N/A	34416080A2	02/05/2019

Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD3967	201707D	07/25/2019
0.080	SD3968	201707E	07/25/2019
0.200	SD3969	SD3969	07/24/2019
0.080 DGS	N/A <u>201707C</u>	AG805701	02/26/2020

Department Inspection Performed By _____
 Barometric Pressure ID# _____
 Gauge _____ Instrument _____
 Mouth Alcohol Solution Lot # _____
 Acetone Stock Solution Lot # _____

Simulator	Serial Number
0.000	
Interferent	
0.050	
0.080	
0.200	

Attachments

<input checked="" type="checkbox"/> Form 41 <input checked="" type="checkbox"/> Stability Checks <input checked="" type="checkbox"/> Calibration Certificate <input checked="" type="checkbox"/> Calibration Adjustment	<input checked="" type="checkbox"/> Post-Stability Checks <input type="checkbox"/> Flow Calibration <input type="checkbox"/> Form 40 <input type="checkbox"/> Other _____
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Notes/Suggested Service: E-mailed
 Unable to perform calibration adjust (0.08 variant exceeds limitations) Sent to repair facility.

Instrument Complies with Chapter 11D-8, FAC
 Instrument Does Not Comply with Chapter 11D-8, FAC
 Return to/Place into Evidentiary Use
 Remain Out of Evidentiary Use
 Conduct an Agency Inspection Before Evidentiary Use

SELL 7/13/18 J. Lake 7/30/18
 Tech Review / Date Admin Review / Date

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-004020- <u>JD</u> 1120 <u>7/30/18</u>	Florida Highway Patrol	07/05/2018	<u>Dell</u>

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L																																																																																																																																																			
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7/30/18
JD

***** CHANNEL 2

Sample #1 = 3564.00

Sample #2 = 3576.00

Sample #3 = 3589.00

Sample #4 = 3545.00

Average Result = 3570.0000

STD DEV = 22.6053

REL STD DEV = 0.633

Dry Gas H2O Adjust Results *****

Barometric Pressure = 1019

3 μ m H2O Adjust (mg/l*10,000) = 615

9 μ m H2O Adjust (mg/l*10,000) = 239

**** AUTO CAL PASS

DGS Hose not connected
Re ran solution
DEE

DEE

Optical Calibration Cont
SN: 80-001120
Agency: FHP
Date: 7/5/2018
Quadratic Fit: +/-0.002g/210L
By: <i>DEE</i>

7/30/18
DEE

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-001120	Florida Highway Patrol	07/05/2018	<i>hell</i>

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.07c <input checked="" type="checkbox"/> 0.047 to 0.053 <input checked="" type="checkbox"/> FHP TROOP K Intoxilyzer - Alcohol Analyzer SN 80-001120 Model 8000 07/05/2018 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:27 Control Test 0.050 08:28 Air Blank 0.000 08:28 Control Test 0.050 08:29 Air Blank 0.000 08:30 Control Test 0.050 08:30 Air Blank 0.000 08:31 Control Test Stats Average 0.0500 Std Dev 0.0000 Rel. Std Dev(%) 0.0000	SN: SD3968 Temp: 34.07c <input checked="" type="checkbox"/> 0.077 to 0.083 <input checked="" type="checkbox"/> FHP TROOP K Intoxilyzer - Alcohol Analyzer SN 60-001120 Model 8000 07/05/2018 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:32 Control Test 0.082 08:32 Air Blank 0.000 08:33 Control Test 0.082 08:34 Air Blank 0.000 08:34 Control Test 0.082 08:35 Air Blank 0.000 08:35 Control Test Stats Average 0.0820 Std Dev 0.0000 Rel. Std Dev(%) 0.0000	SN: SD3969 Temp: 34.08c <input checked="" type="checkbox"/> 0.194 to 0.206 <input checked="" type="checkbox"/> FHP TROOP K Intoxilyzer - Alcohol Analyzer SN 60-001120 Model 8000 07/05/2018 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:37 Control Test 0.201 08:37 Air Blank 0.000 08:38 Control Test 0.202 08:38 Air Blank 0.000 08:39 Control Test 0.201 08:40 Air Blank 0.000 08:40 Control Test Stats Average 0.2013 Std Dev 0.0006 Rel. Std Dev(%) 0.2868	Lot AG805701 <input checked="" type="checkbox"/> 0.077 to 0.083 <input checked="" type="checkbox"/> FHP TROOP K Intoxilyzer - Alcohol Analyzer SN 60-001120 Model 8000 07/05/2018 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:42 Control Test 0.078 08:42 Air Blank 0.000 08:43 Control Test 0.078 08:43 Air Blank 0.000 08:44 Control Test 0.078 08:44 Air Blank 0.000 08:45 Control Test Stats Average 0.0780 Std Dev 0.0000 Rel. Std Dev(%) 0.0000
<i>hell</i> Operator's Signature 7/30/18	- <i>hell</i> Operator's Signature	- <i>hell</i> Operator's Signature	- <i>hell</i> Operator's Signature

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.5750 (-0.0040)
Sample #2 = 1.5780 (0.0000)
Sample #3 = 1.5740 (0.0060)
Sample #4 = 1.5690 (-0.0110)
Avg % Abs = 1.5803 (-0.0017)
STD DEV = 0.0078 (0.0086)
REL STD DEV = 0.492 (517.301)

Auto Calibration
Max Power Res Value = 26
Auto Range Res Value = 15
Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12832, Sum Io = 13997

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.8720 (0.0180)
Sample #2 = 1.8880 (-0.0030)
Sample #3 = 1.8880 (-0.0100)
Sample #4 = 1.8890 (0.0040)
Avg % Abs = 1.8883 (-0.0030)
STD DEV = 0.0006 (0.0070)
REL STD DEV = 0.031 (233.333)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.7400 (-0.0330)
Sample #2 = 3.7590 (-0.0210)
Sample #3 = 3.7370 (-0.0110)
Sample #4 = 3.7450 (-0.0190)
Avg % Abs = 3.7470 (-0.0170)
STD DEV = 0.0111 (0.0053)
REL STD DEV = 0.297 (31.126)

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.5240 (-0.0230)
Sample #2 = 3.5400 (0.0000)
Sample #3 = 3.5250 (-0.0030)
Sample #4 = 3.4950 (0.0040)
Avg % Abs = 3.5200 (0.0003)
STD DEV = 0.0229 (0.0035)
REL STD DEV = 0.651 (1053.565)

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8180 (-0.0160)
Sample #2 = 0.8210 (-0.0030)
Sample #3 = 0.8160 (0.0040)
Sample #4 = 0.8210 (0.0040)
Avg % Abs = 0.8193 (0.0017)
STD DEV = 0.0029 (0.0040)
REL STD DEV = 0.352 (242.487)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 7.0190 (-0.0180)
Sample #2 = 7.0440 (0.0070)
Sample #3 = 7.0080 (-0.0070)
Sample #4 = 6.9630 (0.0020)
Avg % Abs = 7.0050 (0.0007)
STD DEV = 0.0406 (0.0071)
REL STD DEV = 0.579 (1064.190)

Sol Value = 0.300 g/210L ***
Fit Value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12828, Sum Io = 13997

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 5.2050 (-0.0120)
Sample #2 = 5.2770 (-0.0080)
Sample #3 = 5.2690 (0.0020)
Sample #4 = 5.2540 (0.0000)
Avg % Abs = 5.2667 (-0.0020)
STD DEV = 0.0117 (0.0053)
REL STD DEV = 0.222 (264.575)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 10.2890 (-0.0070)
Sample #2 = 10.4310 (0.0140)
Sample #3 = 10.3820 (0.0070)
Sample #4 = 10.3950 (0.0000)
Avg % Abs = 10.4027 (0.0070)
STD DEV = 0.0254 (0.0070)
REL STD DEV = 0.244 (100.000)

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.5240 (-0.0230)
Sample #2 = 3.5400 (0.0000)
Sample #3 = 3.5250 (-0.0030)
Sample #4 = 3.4950 (0.0040)
Avg % Abs = 3.5200 (0.0003)
STD DEV = 0.0229 (0.0035)
REL STD DEV = 0.651 (1053.565)

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8180 (-0.0160)
Sample #2 = 0.8210 (-0.0030)
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Sample #4 = 0.8210 (0.0040)
Avg % Abs = 0.8193 (0.0017)
STD DEV = 0.0029 (0.0040)
REL STD DEV = 0.352 (242.487)

Optical Calibration 2	
SN: 80-001120	
Agency: FHP	
Date: 7/5/2018	
Quadratic Fit: +/-0.002g/210L	
By: <i>ABR</i>	

<<<< CHANNEL 2 >>>>
Sol Val = 0.000 mg/l or 0.000 g/210L
% Abs = 0.099
Std Dev = 0.00 Rel Std Dev = 1.54
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.819
Std Dev = 0.00 Rel Std Dev = 0.35
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.888
Std Dev = 0.00 Rel Std Dev = 0.03
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.520
Std Dev = 0.02 Rel Std Dev = 0.65
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.267
Std Dev = 0.01 Rel Std Dev = 0.22
Zero Order Coef = -317.00
First Order Coef = 2726.69
Second Order Coef = 10.11
Standard Deviation = 85.182699

<<<< CHANNEL 2 >>>>
Sol Val = 0.000 mg/l or 0.000 g/210L
% Abs = 0.089
Std Dev = 0.01 Rel Std Dev = 13.07
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.580
Std Dev = 0.01 Rel Std Dev = 0.49
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.747
Std Dev = 0.01 Rel Std Dev = 0.30
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.005
Std Dev = 0.04 Rel Std Dev = 0.58
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.403
Std Dev = 0.03 Rel Std Dev = 0.24
Zero Order Coef = -163.61
First Order Coef = 1311.81
Second Order Coef = 7.78
Standard Deviation = 83.090614

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% Abs = 0.089
Std Dev = 0.01 Rel Std Dev = 13.07
Sol Val = 0.1905 mg/l or 0.040 g/210L
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% Abs = 7.005
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% Abs = 10.403
Std Dev = 0.03 Rel Std Dev = 0.24
Zero Order Coef = -163.61
First Order Coef = 1311.81
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Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.001	0.0010
0.040	0.041	-0.0005
0.100	0.102	-0.0021
0.200	0.198	0.0024
0.300	0.301	-0.0008

Sol Value = 0.080 g/210L ***
Fit Value = 0.3810 mg/l %%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1 *****
Sample #1 = 3211.00
Sample #2 = 3225.00
Sample #3 = 3211.00
Sample #4 = 3233.00
Average Result = 3223.0000
STD DEV = 11.1355
REL STD DEV = 0.346
***** CHANNEL 2 *****
Sample #1 = 3578.00
Sample #2 = 3580.00
Sample #3 = 3584.00
Sample #4 = 3616.00
Average Result = 3593.3333
STD DEV = 19.7315
REL STD DEV = 0.549
***** CHANNEL 2 *****
Dry Gas H2O Adjust Results *****
Barometric Pressure = 1019
3 um H2O Adjust (mg/l*10,000) = 586
9 um H2O Adjust (mg/l*10,000) = 216
***** AUTO CAL PASS *****

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ABR

7/30/18
ABR

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities 2	80-001120	Florida Highway Patrol	07/05/2018	<i>See</i>

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.07c	SN: SD3968 Temp: 34.07c	SN: SD3969 Temp: 34.08c	Lot AG805701
0.047 to 0.053 <input checked="" type="checkbox"/>	0.077 to 0.083 <input checked="" type="checkbox"/>	0.194 to 0.206 <input checked="" type="checkbox"/>	0.077 to 0.083 <input checked="" type="checkbox"/>

Test	g/210L	Time	Test	g/210L	Time	Test	g/210L	Time
FAP TROOP K Intoxilyzer - Alcotest Analyzer Model: 8000 07/05/2018 Software: 8100.27			FAP TROOP K Intoxilyzer - Alcotest Analyzer Model: 8000 07/05/2018 Software: 8100.27			FAP TROOP K Intoxilyzer - Alcotest Analyzer Model: 8000 07/05/2018 Software: 8100.27		
Air Blank	0.000	09:30	Air Blank	0.000	09:40	Air Blank	0.000	09:45
Control Test	0.055	09:31	Control Test	0.200	09:41	Control Test	0.079	09:45
Air Blank	0.001	09:32	Air Blank	0.000	09:41	Air Blank	0.000	09:46
Control Test	0.055	09:32	Control Test	0.202	09:42	Control Test	0.079	09:46
Air Blank	0.001	09:33	Air Blank	0.000	09:43	Air Blank	0.000	09:47
Control Test	0.051	09:34	Control Test	0.202	09:43	Control Test	0.079	09:47
Air Blank	0.000	09:34	Air Blank	0.000	09:44	Air Blank	0.000	09:47
Control Test Stats			Control Test Stats			Control Test Stats		
Average	0.050		Average	0.203		Average	0.0790	
Std Dev	0.005		Std Dev	0.012		Std Dev	0.0000	
Rel. Std Dev(%)	1.00%		Rel. Std Dev(%)	0.5735		Rel. Std Dev(%)	0.0000	
<i>See</i> Operator's Signature			<i>See</i> Operator's Signature			<i>See</i> Operator's Signature		

See

7/30/18