

7E Interference Testing

700LX CLD NOX Analyzer SN:

2206022

Gas	Input Conc	Bottle Value	Gas Cylinder	Time (NO Mode)
N2	0 ppm	0 ppm	Tank	950
NO	100 ppm	93.86 ppm		1005
CO2	4%	5%	AF248510	1025
CO2	20%	20%	K833190	1037
N2O	1000 ppm	1000 ppm	CC99318	1418
CO	100 ppm	100.7 ppm	CC36516	1535
SO2	50	50.8 ppm	CC187135	1420
CH4	50 ppm	50.02 ppm	CC15917	1549
HCL	10 ppm	10.1 ppm	CC507595	1437
NH3	100 ppm	109.8 ppm	CC1234001	1405

Notes: 100ppm Range with internal sample pump (2.5lpm). Gas flowed for 3+ Min then c

703LX NDIR Analyzer SN:

Gas	Input Conc	Bottle Value	Gas Cylinder	
Zero	0 ppm	0 ppm	Tank	
NO	100 ppm	95.6 ppm	AAL-18904	
CO2	4%	4.04%	SBO0056398	
CO2	20%	20%	T228707	
N2O	1000 ppm	996 ppm	CC174251	
CO	100 ppm	101.3 ppm	CC342087	
SO2	1000 ppm	1001 ppm	CC71483	
CH4	50 ppm	495 ppm	K42416	
HCL	10 ppm	10.1 ppm	CC507595	
NH3	100 ppm	99.63 ppm	ALM057683	

Notes: 1000ppm Range with no sample pump (1.0 lpm). Gas flowed for 3+ Min then data

*** This bench has no active gas compensation.

703LX NDIR Analyzer SN:

Gas	Input Conc	Bottle Value	Gas Cylinder	
Zero	0 ppm	0 ppm	Tank	
NO	100 ppm	95.6 ppm	AAL-18904	
CO2	4%	4.04%	SBO0056398	
CO2	20%	20%	T228707	
N2O	1000 ppm	996 ppm	CC174251	
CO	100 ppm	101.3 ppm	CC342087	
SO2	50 ppm	20.00 ppm	EB0008525	
CH4	50 ppm	495 ppm	K42416	
HCL	10 ppm	10.1 ppm	CC507595	
NH3	100 ppm	99.63 ppm	ALM057683	

Notes: 1000ppm Range with no sample pump (1.0 lpm). Gas flowed for 3+ Min then data

Time (NOx Mode)	As ppm NO	As ppm NOx
955	0	0.03
1010	93.96	93.97
1030	-0.01	0.01
10.42	-0.01	0
1423	0.02	0.02
1540	0	0
1425	0.04	0.07
1554	-0.01	-0.1
1442	-0.02	1.73
1410	0.27	0.09

Date:8/15/2022

data stored for 5 min in NO Mode and 5 min in NOx Mode.

SO2 Bench

Time Started	As ppm CO	As ppm SO2	As ppm CO2
		0.00	
1215		0.31	
1305		-0.08	
1323		0.57	
1343		0.01	
1401		-0.35	
1136		1000.65	
1524		8.19	
1543		-0.29	
1440		0.06	

Date: 1/16/2023

a stored for 7 min of listed gas.

CO Bench

CO2 Bench

O2 Bench

Time Started	As ppm CO	As % CO2	As % O2
	0.00	0.00	0.00
918	-0.81	0.00	0.01
939	-0.25	4.03	-0.01
1002	-0.27	19.96	-0.05
1054	2.29	0.01	0.01
907	96.49	0.00	0.00
1113	0.61	0.00	0.01
1131	-1.10	0.01	0.00
1219	1.98	0.02	1.09
1153	-1.69	0.01	0.00

Date: 1/17/2023

a stored for 4 min of listed gas.