

Software Overview

IQ Express for Toxi Ltd / Toxi Pro

Fully Automatic Bump Test and Calibration Station

- Instrument Identification
- Battery Test
- Audible Alarm Test
- Visual Alarm Test
- Vibrating Alarm Test (if applicable)
- Fresh Air Calibration
- Bump Test
- Record Keeping

ALL In Under 20 Seconds



3 times more efficient than manual testing saves time and calibration gas costs – flawless recordkeeping

IQ Express for Toxi Ltd / Toxi Pro

Automatic Calibration when Required

- **If the bump test fails the IQ Express will automatically do a full calibration without intervention**
- **Total processing time – under 1 minute (including all other tests)**

PC Controlled (Optional)

- **Can be connected to a PC via USB**
- **Additional Features:**
 - Event Logger Download**
 - Datalogger Download (if applicable)**



IQ Express Usage and Connection Options

3 ways to use the IQ Express

1. Use as standalone docking station
2. USB Connection to PC (USB cable included with standard docks)
3. Direct Network Connection (Ethernet) A Single Computer can Control Multiple Remote IQ Express Stations on the same Network



IQ Express for Toxi Ltd / Toxi Pro

Cascade up to 4 IQ Express Docks



IQ Express

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IQ Express software

Biosystems - IQ Express Pro 6.35

File Tools Help

Dock (02584)
 Detected Connected Processing OK Fault

Express Dock (02584)

Dock | ToxiPro/Ltd

Dock Configuration

Hardware Configuration

Serial Number	Soft Version	LCD Contrast	Battery
02584	6.34	[Slider]	2.95 volts

Check Instrument Removed

Pump Diagnostics

Pump Off
 Pump Air
 Pump Gas

Dark Light AC Power

Background Noise Level
 Industrial - Noisy

Sound Level to Pass
 [Slider]

Gas Configuration

Gas Type: CO

CO Gas Value: 50.0 ppm
 CO+ Gas Value: 50.0 ppm
 CO- Gas Value: 50.0 ppm
 O2 Gas Value: 18 %

Enable O2 Bump and Calibration

Calibration Interval
 Enable Cal Interval 30

Dock LCD Display

Get Current LCD Display

Change Config
 Ethernet...
 Ping...
 Email...
 Advanced >>
 Set Config

Last Action: Dock Configuration Received and Displayed... USB Gas Type Changed...

1 IQ Express Dock(s) Ready on StartUp... Database Name: ussgaryworks

IQ Express software

Biosystems - IQ Express Pro 6.50

File Tools Help

Dock (06294)

Detected Connected Processing OK Fault

Express Dock (06294)

Dock ToxiPro\Ltd

Calibration Status

Detected Connected Processing OK Fault

Analyzing Bump Test
 * SPAN CAL Cause: Instrument Failed Bump Test
 Starting Span Calibration
 Performing Span Calibration
 Preparing Alarm Test
 Performing Alarm Test
 Testing Vibrating Alarm
 Standby

02: Purge Complete

Options

Dock ToxiPro Certificates Session Downloading

ToxiPro Timeout (secs): 30 Upgrade ToxiPro Firmware

Cal Due Reminder (days): 30 Display Gas Readings

Calibration Options

Calibrate Now Skip Calibration

OK Cancel

Last Action: Database Update Task Started... USB Data on USB CH 2 Bytes=4



IQ Database Management Software Features

IQ Database Management Software Features:	IQ Database Manager PRO
Maintains instrument and calibration data	✓
Generates reports, certificates, graphs at anytime * Bump History/Overdue/Status Report * Calibration History/Overdue/Status Report * Calibration and Bump Certificates * Sensor Span Reserve Report * Instrument Service History and Status * Instrument Firmware	✓
User Defined Text Fields	✓
Email Alert Option Set-Up	✓
Software Version	Postgre SQL Server Engine
Capacity	4 Terabit

IQ Database Management Software Features

Biosystems IQ Database Manager Pro V7.21

File Lookup Edit Reports Setup Help

Instrument

Serial Number: **00001**

Config Template: Villers (default)

Last Bump Test: 10/06/2008 10:00:26

Last Full Calibration: 10/06/2008 10:00:21

Next Calibration Due: **Disabled**

Downloaded By: MP IQ Express

Administrative | User Defined | Instrument Details

User Name: _____ Placed in Service: 14/02/2008

Manager: _____ Location: _____

Owner: _____ Department: _____

Email Address: _____

Out of Service

Revision History

Sensor Information | Span Graph | Cal History | Service History | Comments | Last Download

	O2	LEL	CO	H2S
Serial Number	00001	00001	00001	00001
Manufacture Date	N/A	N/A	N/A	N/A
Warranty Expiration	N/A	N/A	N/A	N/A
Danger Alarm	19,5%	20%	100 ppm	10,0 ppm
Warning Alarm	23,5%	10%	35 ppm	5,0 ppm
STEL Alarm	N/A	N/A	100 ppm	10,0 ppm
TWA Alarm	N/A	N/A	35 ppm	5,0 ppm
Last Fresh Air Date	10/06/2008 09:59:37	10/06/2008 09:59:37	10/06/2008 09:59:37	10/06/2008 09:59:37
Last Gas Cal Date	10/06/2008 03:45:18	10/06/2008 10:00:19	10/06/2008 10:00:19	10/06/2008 10:00:19
Auto Span Cal Val.	N/A	50%	50,0 ppm	25,0 ppm
Calibrated From	21,1%	42%	33,7 ppm	31,6 ppm
Calibrated To	20,9%	50%	50,0 ppm	25,0 ppm
Max Possible Span	29,2%	246%	67,3 ppm	63,6 ppm

<< First | < Previous | Next > | Last >> | Add | Edit | Delete | OK | Cancel

setup (IQ Setup) | MP 1 of 1547 | biosystems | 15:30

IQ Database Management Software Features

Biosystems IQ Database Manager Pro V7.00

File Lookup Edit Reports Setup Help

Instrument

Serial Number: **000080720**

Config Template: Generic(No Change) (default)

Last Bump Test: N/A

Last Full Calibration: N/A

Next Calibration Due: N/A

Downloaded By: N/A

Administrative

User Name: _____

Manager: _____

Owner: _____

Email Address: _____

Placed in Service: 6/3/2008

Location: _____

Department: _____

Out of Service

Revision History

Sensor Information | **Span Graph** | Cal History | Service History | Comments | Last Download

Date/Time: _____ Result: **N/A** Attempted By: _____

N/A

<< First | < Previous | Next > | Last >> | Add | Edit | Delete | OK | Cancel

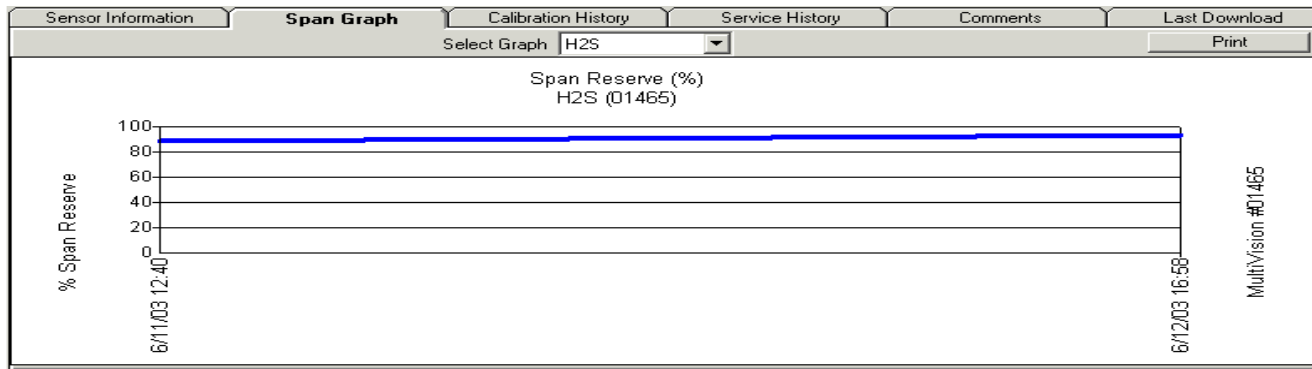
setup (IQ Setup) PHD6 1 of 3 iq6db 3:28 PM

IQ Database

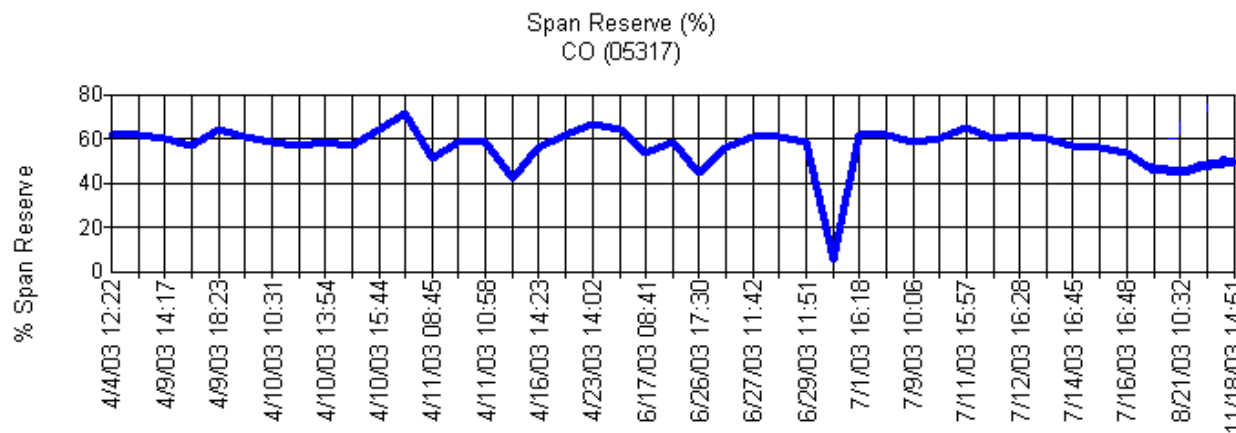
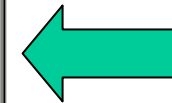
Historic Report

Sensor Information	Span Graph	Calibration History	Service History	Comments	Last Download	
Calibrations: 5	H2S					
Bump Only #: 1	00099					
Date	Max Span	Cal Gas Lot #	Auto Span Cal Value	Calibrated From	Last Zero	Last Span
7/13/2004 11:02:50 AM	45.2 ppm	79322	31.0 ppm	25.4 ppm	6/23/2004 2:11:42 PM	7/13/2004 11:03:33 AM
7/13/2004 11:52:05 AM	54.5 ppm	79322	25.0 ppm	30.2 ppm	6/23/2004 2:11:42 PM	7/13/2004 11:52:54 AM
7/13/2004 1:17:57 PM	54.7 ppm	79322	25.0 ppm	31.4 ppm	6/23/2004 2:11:43 PM	7/13/2004 1:18:45 PM
7/13/2004 1:18:10 PM	54.7 ppm	79322	25.0 ppm	31.4 ppm	7/13/2004 1:18:10 PM	7/13/2004 1:18:10 PM
7/13/2004 3:25:38 PM	44.9 ppm	79322	31.0 ppm	25.4 ppm	6/23/2004 2:11:43 PM	7/13/2004 3:25:56 PM
7/13/2004 3:29:26 PM*	44.9 ppm	79322	25.0 ppm	25.4 ppm	6/23/2004 2:11:43 PM	7/13/2004 3:25:56 PM

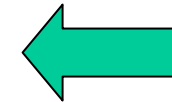
IQ Software sensor span information



Span response against day



Span response by month



MultiVision #01465

MultiVision #05317

IQ Express for MultiPro

Fast Fully Functional Test (under 45 seconds)

- Instrument and Sensor Identification
- Battery Test
- Audible Alarm Test
- Visual Alarm Test
- Vibrating Alarm Test (if applicable)
- Fresh Air Calibration
- Bump Test
- Record Keeping
- Saves time and money by being 3 times more efficient than manual testing



MP IQ Express

Automatic Calibration when Required

- If the bump test fails the IQ Express will automatically do a full calibration without intervention
- Total processing time
About 1 minute - Including all other tests



IQ Express software

Sperian Instrumentation - MultiPro IQ Express Pro 6.46

File Tools Help

Dock (06194)
 Detected Connected Processing OK Fault

Express Dock (06194)
 Dock (06194) MultiPro (40721)

Calibration Status
 Detected Connected Processing OK Fault

ZERO CAL FAILURE!!!
 Standby
 Completing Test
 Disconnected at 14/02/2009 08:54:49...
 Database Update Task Started...
 Updating Instrument Record...
 Results Table Updated...
 Database Updated...
 Database Update Task Ended.


General | O2 | LEL | CO

MultiPro
 Serial # **40721** Firmware **2.80** Template **Generic(No Change)**
 Last Full Cal Date **30/01/2009 09:32:45** Battery **N/A**

Options
 Datalogger Interval **BlackBox** Security Beep **Disabled** STEL Time **15** Cal Due Reminder **30 day(s)** Bump Reminder **Disabled**

Enable PEAK Readings Enable TWA Alarm Cal Due Lockout
 Enable Latch Alarm Enable STEL Alarm Vibrator Enabled

Last Action: Database Update Task Started... **USB** Data on USB CH 2 Bytes=4



IQ Express software

File Tools Help

Dock (01835)
● Detected Connected Processing OK Fault

Express Dock [01835]

Dock MultiPro

Dock Configuration

Hardware Configuration		Gas Configuration	
Serial Number	Soft Version	Gas Type: CO/H2S/LEL	
01835	6.43	O2 Gas Value	18 %
Connection Speed	LCD Contrast	CO Gas Value	50.0 ppm
38.4 kbps	Dark Light	H2S Gas Value	25.0 ppm
Background Noise Level	AC Power	LEL Gas Value	50 %
Office - Quiet	<input checked="" type="radio"/>		
Sound Level to Pass			
-	+		
Pump Diagnostics		Status After Test	
<input checked="" type="radio"/> Pump Off <input type="radio"/> Pump Air <input type="radio"/> Pump Gas		<input type="radio"/> No Change <input checked="" type="radio"/> Off	
Battery: 2.98 volts			

Calibration Interval
 Enable Cal Interval 30

Dock LCD Display

Get Current LCD Display

Change Config

Ethernet...

Ping...

Email...

Advanced >>

Set Config

Last Action: Dock Flash Version Checked... USB Data on USB CH 2 Bytes=22

1 MP IQ Express Dock(s) Ready on StartUp... Database Name: biosystems

