

Bump Test (Manual Procedure)	AutoCal menu ——— AutoCal with
 Make sure the instrument is located in fresh air, turn on, and allow to warm up 	AIR: fresh air GAS: test eas AIR GAS GXII
 Note readings, and perform fresh air zero if necessary 	03 35 PM 20.9 %LEL 0.0
 Attach calibration adapter; instrument will display "AutoCal menu" 	■ 0 0 H₂S CO (BEAN) (RESED) (20010)
 Press "Exit" to show normal gas reading screen 	1251 PM 102 XLEL 51.0
 Flow gas to sensors; alarms should activate, and readings should stabilize at expected values (if sensors fail to respond properly, instrument should be 	
calibrated before further use)	20.9 0.0
and allow readings to stabilize at fresh air values	
January 12, 2013 G450 / G460 Calibration	Slide 2



	🗲 GfG Data Download Software	- [G450 Typical R	eport showing	Juad Mix respon	se.GDF1			- 6)
	📮 File Device Edit View Opti	ons Window Help)					_ 6 >
	🔄 🖬 🗛 🔛 🔚 🛃							
	Datalogge Serialno.:	r G450 08062689						
	User:							
Bump lest	Date Time	CO ppm	%LEL	02 Vol%	ppm.	Event	Signal	Î
	3/17/2010 1:59:36 PH	0	0.0	20.9	0.0		Off	
Bosnonso of	3/17/2010 1:59:37 PM	0	0.0	20.9	0.0		110	
Response or	3/17/2010 1:59:39 PM	2	9.0	20.9	0.0		Off	
sensors to Quad	3/17/2010 1:59:40 PM	4	9.0	20.9	0.0		off	
	3/17/2010 1:59:41 PM	7	18.5	20.9	0.0		011	
MIX (table)	3/17/2010 1:59:42 PH	11	18.5	20.9	0.0		Off	
• •	3/17/2010 1:59:43 PM 3/17/2010 1:59:44 PM	19	27.0	20.9	0.8		110	
Deadings	3/17/2010 1:59:45 PM	92	34.5	20.9	4.0		011	
Readings	3/17/2010 1:59:46 PM	106	34.5	20.7	6.8		Off	
recorded while	3/17/2010 1:59:47 PM	119	40.0	19.6	9.8		Off	
recorded write	3/17/2010 1:59:48 PM	130	40.0	19.4	12.4		Off	
instrument	3/17/2010 1:59:49 PM	140	42.5	19.2	13.2		110	
anarated in	3/17/2010 1:59:51 PH	153	45.0	19.0	14.2		011	
operated in	3/17/2010 1:59:52 PM	160	45.0	18.9	14.8		Off	
normal das	3/17/2010 1:59:53 PM	166	46.5	18.8	15.2		Off	
normai gas	3/17/2010 1:59:54 PM	171	46.5	18.8	15.6		011	
reading mode	3/17/2010 1:59:55 PH	175	47.5	18.7	15.8		011	
0	3/17/2010 1:59:57 PH	181	47.5	18.6	16.4		off	
	3/17/2010 1:59:58 PM	184	47.5	18.6	16.6		Off	
when a sensor is	3/17/2010 1:59:59 PM	186	47.5	18.5	16.8		Off	
in alarm roadings	3/17/2010 2:00:00 PM	188	47.5	18.5	17.0		011	
in alarni reaulings	3/17/2010 2:00:01 PH	189	47.5	18.5	17.0		Off	
are recorded in	3/17/2010 2:00:03 PM	193	47.5	18.4	17.2		110	
	3/17/2010 2:00:04 PM	194	47.5	18.4	17.4		Off	
red	Line: 1 from: 404							
	🍠 Start 🛛 🌈 💽 🗟 🗐 📝		o = 1	M 🔁 2 W	• 🖂 F 🛛 🗡	Ad 🔊 RE.	. 34 Gf	🚽 💽 🧑 🔒 🦕 12:28 PM
							1	
1 10 0010								











	What if you but still	check the gas and fittings I fail AutoCal adjustment?
 To avec cal gas present AutoC chang air zer next If the construct If the construct In this single senso proper 	bid accidentally using the wrong s, or zeroing the instrument in the nee of contaminants; al has a maximum permitted e in adjustment between one fresh o, or one span calibration and the change between the zero or span g exceeds this maximum, the ment will not properly adjust case you will need to perform a -sensor calibration on the sensor of rs that have failed to calibrate	
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Saving single-sensor "Zero" and "Calibration" results (part 4)	Eeadout: 0 ppm Readout: 0 ppm ZeroGas: 0 ppm Signal: stable
 If you do not deliberately save the results, after a few minutes the instrument will return to normal operation and the results <u>will not be saved</u>! Press "Exit" to save the results and return to normal operation Each time you press "Exit" you move up one level in the instrument program The final screen will ask whether you want to "Save new adjustment?" Press "Yes" to update the instrument memory 	Signal: stable
January 12, 2013 G450 / G460 Calibration	SAVE NEW ADJUSTMENT? (NO) (NO) Slide 14



	Single sensor calibration procedure (part 6)	Readoutt Calloas: 208 prom Siardit: 208 prom
•	To perform a span Calibration:	STARD GAS EXTD
	The "Readout" shows the current sensor reading	CU(EC2)-SPAN Readout: 82 ppm CalGas: 200 ppm
	 Open the regulator valve to begin flowing gas to the sensor 	Signat: stable
	The "Readout" number will begin to rise as the sensor is responds to the gas	
	Press "Start" to begin the calibration adjustment	(ABORD) ————————————————————————————————————
	 The "Span" calibration screen will show an hour- glass icon while the sensor is being adjusted, then an "OK" message when the adjustment is complete 	
	 Press "Exit" to return the instrument to normal operation. 	Readour: 200 ppm CalGas: 200 ppm Sienal: stable
	 Remember to "Save" the new adjustment or the results of the calibration will not be updated to the instrument memory 	SAVE NEW ADJUSTMENT?
Janu	uary 12, 2013 G450 / G460 Calibration	(170 20) (10) (13 5















DS400 Docking Station	
 Bump-Test includes: Visual alarm function Audible alarm function 	
 Time for activation to alarm 1 Time for activationto alarm 2 Time to t50 Calibration Test Includes: Fresh air zero adjustment Span calibration adjustment 	
 All test results: Stored to instrument memory Stored to flash memory card in Docking Station January 12, 2013 G450 / G460 Calibration 	



