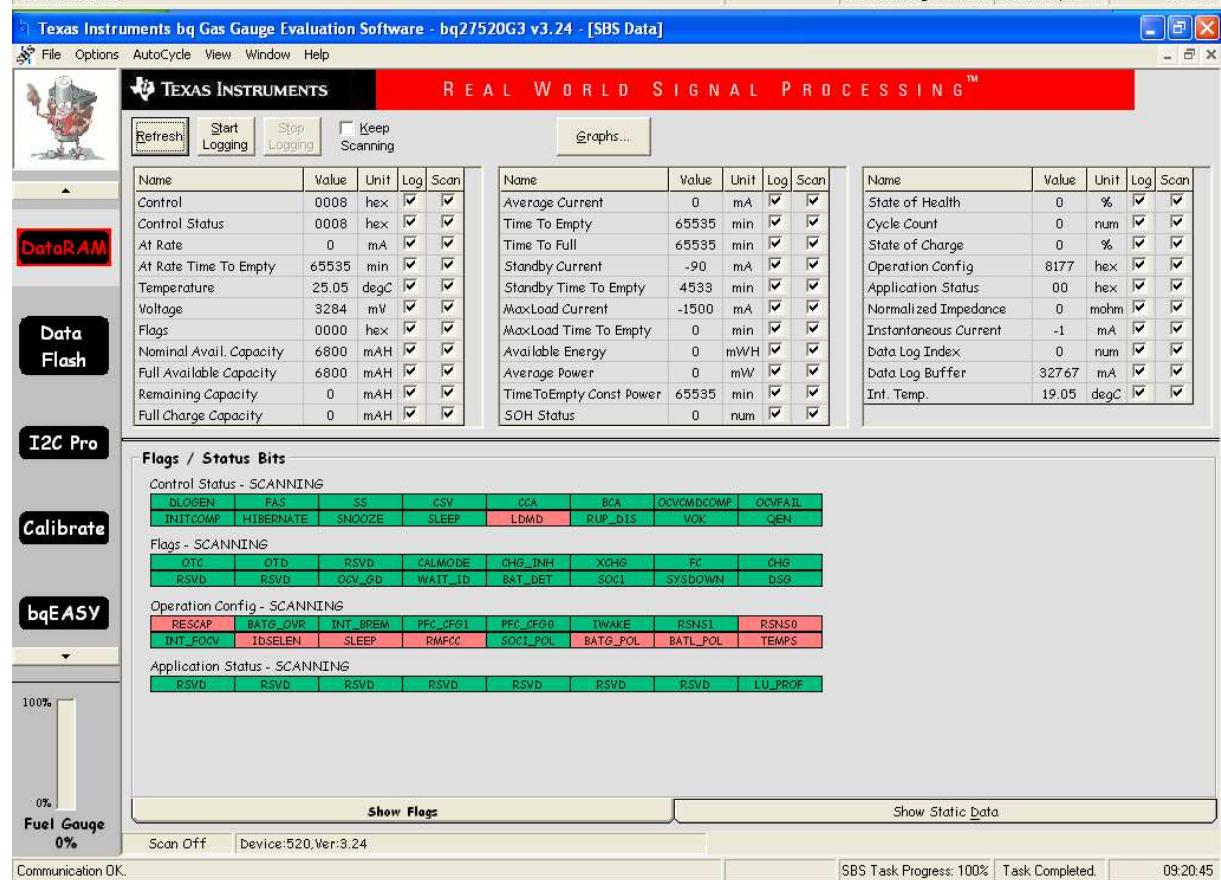
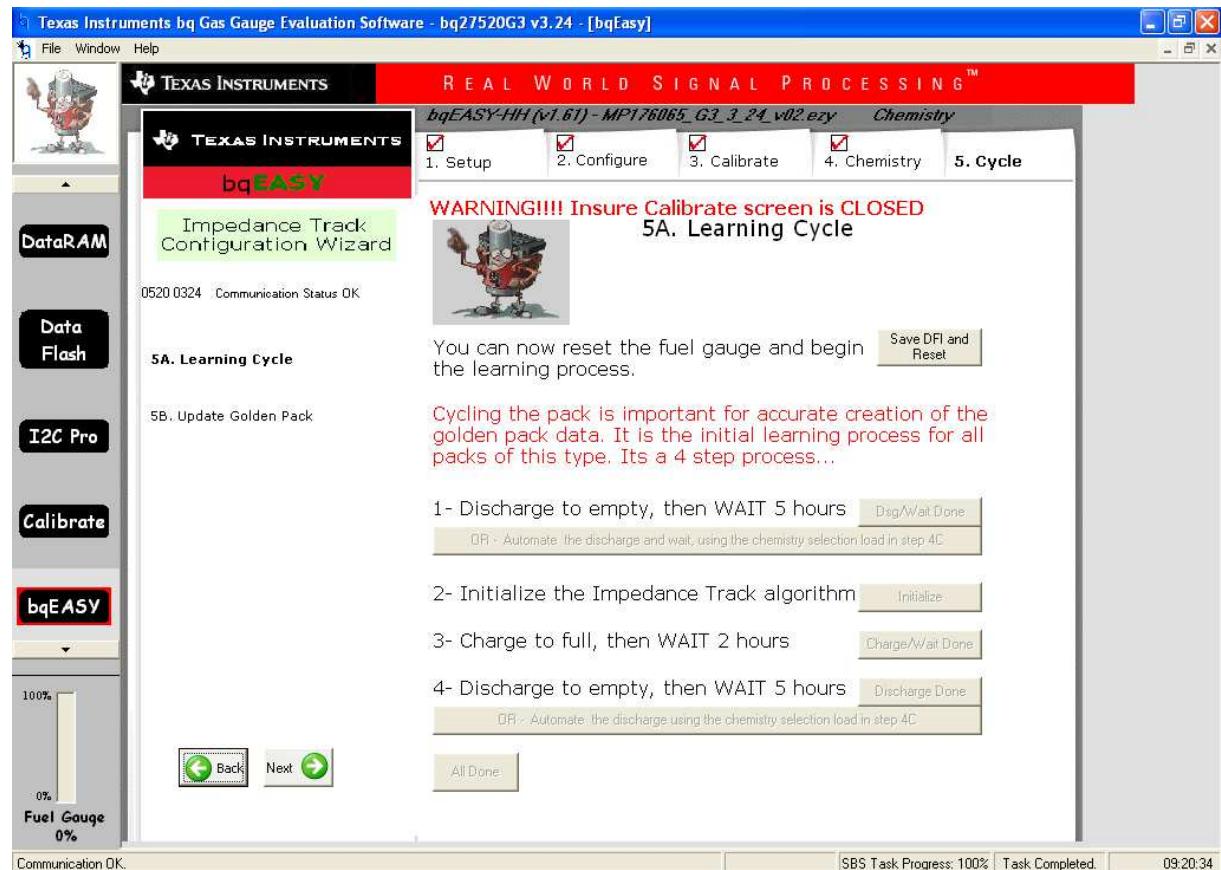


After update firmware from G4 to G3, configure and calibrate, before click « Save DFI and Reset ».
 Export to MP176065_G3_0_firmware_update.bat3.gg .



Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

File Options Data Flash View Window Help

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Read All Write All Write All, Preserve ... *Right click on constant name for more information

Ra Tables			Calibration			Security		
Configuration			System Data			Gas Gauging		
Name	Value	Unit	Name	Value	Unit	Name	Value	Unit
Safety	-	-	Taper Voltage	100	mV	SysDown Clear Volt	3400	mV
OT Chg	60.0	degC	Current Taper Window	40	Sec	Final Voltage	3000	mV
OT Chg Time	2	Sec	FC Set %	100	%	Def Cell 0 DOD at EOC	0	num
OT Chg Recovery	55.0	degC	FC Clear %	98	%	Def Cell 1 DOD at EOC	0	num
OT Dsg	60.0	degC	DODatEOC Delta T	10.0	degC	Def Avg I Last Run	-299	mA
OT Dsg Time	2	Sec	Data	-	-	Def Avg P Last Run	-1131	mW
OT Dsg Recovery	55.0	degC	Initial Standby	-90	mA	Registers	-	-
Charge Inhibit Cfg	-	-	Initial MaxLoad	-1500	mA	Op Config	8177	flg
Chg Inhibit Temp Low	0.0	degC	CC Threshold	6120	mAh	SOC Delta	1	%
Chg Inhibit Temp High	45.0	degC	Design Capacity	6800	mAh	i2c Timeout	4	num
Temp Hys.	10.0	degC	SOH LoadI	-400	mA	DF Wr Ind Wait	0	uSec
Charge	-	-	Default Temperature	25.0	degC	OpConfig B	92	flg
Charging Voltage	4100	mV	Device Name	bq27520		OpConfig C	2C	flg
Delta Temp	5.0	degC	Data Flash Version	0000	hex	Clk Ctrl Reg	09	hex
Suspend Low Temp	0.0	degC	Discharge	-	-	Power	-	-
Suspend High Temp	60.0	degC	SOC1 Set Threshold	150	mAh	Flash Update OK Voltage	2800	mV
Charge Termination	-	-	SOC1 Clear Threshold	160	mAh	Sleep Current	135	mA
Taper Current	375	mA	Sysdown Set Volt Threshold	3150	mV	Hibernate I	8	mA
Min Taper Capacity	25	mAh	Sysdown Set Volt Time	2	Sec	Hibernate V	2550	mV

Fuel Gauge 0%

Communication OK. SBS Task Progress: 100% Task Completed. 09:20:55

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

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Ra Tables			Calibration			Security		
Configuration			System Data			Gas Gauging		
Name	Value	Unit	Name	Value	Unit	Name	Value	Unit
Manufacturer Info	-	-	Block 10	00		Block 21	00	
Block 0	00		Block 11	00		Block 22	00	
Block 1	00		Block 12	00		Block 23	00	
Block 2	00		Block 13	00		Block 24	00	
Block 3	00		Block 14	00		Block 25	00	
Block 4	00		Block 15	00		Block 26	00	
Block 5	00		Block 16	00		Block 27	00	
Block 6	00		Block 17	00		Block 28	00	
Block 7	00		Block 18	00		Block 29	00	
Block 8	00		Block 19	00		Block 30	00	
Block 9	00		Block 20	00		Block 31	00	

Fuel Gauge 0%

Communication OK. SBS Task Progress: 100% Task Completed. 09:21:04

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

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Ra Tables			Calibration			Security		
Configuration			System Data			Gas Gauging		
Name	Value	Unit	Name	Value	Unit	Name	Value	Unit
IT cfg	-	-	Min Sim Rate	20	C/rate	State	-	-
Load Select	3	num	Ra Max Delta	44	mOhms	IT Enable	00	hex
Load Mode	1	num	Qmax Max Delta %	5	%	App Status	00	flg
Max Res Factor	20	num	DeltaV Max dv	10	mV	Qmax Cell 0	6800	mAh
Min Res Factor	5	num	Max Res Scale	5000	num	Cycle Count 0	0	num
Ra Filter	500	num	Min Res Scale	200	num	Update Status 0	00	hex
Min % Passed Chg for Qm	37	%	Fast Scale Start SOC	10	%	Qmax Cell 1	6800	mAh
Qmax Filter	96	num	Current Thresholds	-	-	Cycle Count 1	0	num
Terminate Voltage	3000	mV	Dsg Current Threshold	60	mA	Update Status 1	00	hex
Term V Delta	200	mV	Chg Current Threshold	75	mA	Cell 0 Chg dcd at EoC	0	num
ResRelax Time	500	Sec	Quit Current	30	mA	Cell 1 Chg dcd at EoC	0	num
User Rate-mA	0	mA	Dsg Relax Time	60	Sec	Avg I Last Run	-299	mA
User Rate-mW	0	mW	Chg Relax Time	60	Sec	Avg P Last Run	-1131	mW
Reserve Cap-mAh	0	mAh	Quit Relax Time	1	Sec	Delta Voltage	2	mV
Reserve Cap-mWh	0	mWh	Transient Factor Charge	255	num	TRise	20	Num
Min Delta Voltage	0	mV	Transient Factor Discharge	255	num	T Time Constant	1000	Num
Max Sim Rate	1	C/rate	Max IR Correct	400	mV			

Communication OK. SBS Task Progress: 100% Task Completed. 09:21:11

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

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Ra Tables			Calibration			Security		
Configuration			System Data			Gas Gauging		
Name	Value	Unit	Name	Value	Unit	Name	Value	Unit
OCVa0 Table	-	-	Update Status	00	hex	OCVa0 Table	-	-
Chem ID	0162	flg	OCVa1 Table	-	-	Chem ID	0162	flg
Qmax Cell 0	1000	mAh						

Communication OK. SBS Task Progress: 100% Task Completed. 09:21:19

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

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Read All Write All Write All, Preserve ... *Right click on constant name for more information

Ra Tables			Calibration			Security			Gas Gauging			OCV Tables			Default Ra Tables		
Configuration			System Data														
Name	Value	Unit	Name	Value	Unit	Name	Value	Unit	Name	Value	Unit	Name	Value	Unit	Name	Value	Unit
Def0 Ra	-	-	Def0 Ra 9	0	num	Def1 Ra 3	3	num	Def1 Ra 9	0	num	Def1 Ra 13	19	num	Def1 Ra 17	-8	num
Def0 Ra.status	FF		Def0 Ra 10	2	num	Def1 Ra 4	6	num	Def1 Ra 10	2	num	Def1 Ra 14	106	num	Def1 Ra 18	4	num
Def0 Ra.flag	55		Def0 Ra 11	2	num	Def1 Ra 5	-8	num	Def1 Ra 11	2	num	Def1 Ra 19	3	num	Def1 Ra 23	3	num
Def0 Ra.Base R	18		Def0 Ra 12	9	num	Def1 Ra 6	4	num	Def1 Ra 12	9	num	Def1 Ra 24	-3	num	Def1 Ra 28	-3	num
Def0 Ra.Gain	00		Def0 Ra 13	19	num	Def1 Ra 7	3	num	Def1 Ra 13	19	num	Def1 Ra 29	0	num	Def1 Ra 33	0	num
Def0 Ra.1	3	num	Def0 Ra 14	106	num	Def1 Ra 8	3	num	Def1 Ra 14	106	num	Def1 Ra 34	2	num	Def1 Ra 38	2	num
Def0 Ra.2	3	num	Def1 Ra	-	-	Def1 Ra 9	0	num	Def1 Ra 15	2	num	Def1 Ra 39	2	num	Def1 Ra 43	2	num
Def0 Ra.3	3	num	Def1 Ra.status	FF		Def1 Ra 10	2	num	Def1 Ra 16	9	num	Def1 Ra 44	9	num	Def1 Ra 48	19	num
Def0 Ra.4	6	num	Def1 Ra.flag	55		Def1 Ra 11	2	num	Def1 Ra 17	9	num	Def1 Ra 45	3	num	Def1 Ra 51	3	num
Def0 Ra.5	-8	num	Def1 Ra.Base R	18		Def1 Ra 12	9	num	Def1 Ra 18	19	num	Def1 Ra 46	19	num	Def1 Ra 52	19	num
Def0 Ra.6	4	num	Def1 Ra.Gain	00		Def1 Ra.1	3	num	Def1 Ra 19	106	num	Def1 Ra 47	106	num	Def1 Ra 53	106	num
Def0 Ra.7	3	num	Def1 Ra.2	3	num	Def1 Ra.2	3	num									
Def0 Ra.8	-3	num															

Communication OK. SBS Task Progress: 100% Task Completed. 09:21:25

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

File Options Data Flash View Window Help

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Read All Write All Write All, Preserve ... *Right click on constant name for more information

Ra Tables			Calibration			Security			Gas Gauging			OCV Tables			Default Ra Tables		
Configuration			System Data														
Name	Value	Unit	Name	Value	Unit	Name	Value	Unit	Name	Value	Unit	Name	Value	Unit	Name	Value	Unit
Pack0 Ra	-	-	Pack1 Ra 3	3	num	Pack0 Ra 9	0	num	Pack0 Ra 15	2	num	Pack0 Ra 21	2	num	Pack0 Ra 27	2	num
Pack0 Ra.status	FF		Pack1 Ra 4	6	num	Pack0 Ra 10	2	num	Pack0 Ra 16	9	num	Pack0 Ra 22	9	num	Pack0 Ra 28	19	num
Pack0 Ra.flag	55		Pack1 Ra 5	-8	num	Pack1 Ra 11	2	num	Pack1 Ra 17	9	num	Pack1 Ra 23	3	num	Pack1 Ra 29	4	num
Pack0 Ra.Base R	18		Pack1 Ra 6	4	num	Pack1 Ra 12	9	num	Pack1 Ra 18	19	num	Pack1 Ra 24	3	num	Pack1 Ra 30	-8	num
Pack0 Ra.Gain	00		Pack1 Ra 7	3	num	Pack1 Ra 13	19	num	Pack1 Ra 19	106	num	Pack1 Ra 25	106	num	Pack1 Ra 31	106	num
Pack0 Ra.1	3	num	Pack1 Ra 8	-3	num	Pack1 Ra 14	0	num	Pack1 Ra 26	2	num	Pack1 Ra 32	2	num	Pack1 Ra 38	-3	num
Pack0 Ra.2	3	num	Pack1 Ra 9	0	num	Pack1 Ra 15	2	num	Pack1 Ra 27	9	num	Pack1 Ra 33	9	num	Pack1 Ra 39	3	num
Pack0 Ra.3	3	num	Pack1 Ra 10	2	num	Pack1 Ra 16	9	num	Pack1 Ra 28	19	num	Pack1 Ra 34	3	num	Pack1 Ra 40	4	num
Pack0 Ra.4	6	num	Pack1 Ra 11	2	num	Pack1 Ra 17	9	num	Pack1 Ra 29	106	num	Pack1 Ra 35	106	num	Pack1 Ra 41	106	num
Pack0 Ra.5	-8	num	Pack1 Ra 12	9	num	Pack1 Ra 18	19	num	Pack1 Ra 30	19	num	Pack1 Ra 36	19	num	Pack1 Ra 42	19	num
Pack0 Ra.6	4	num	Pack1 Ra 13	19	num	Pack1 Ra 19	106	num	Pack1 Ra 31	106	num	Pack1 Ra 37	106	num	Pack1 Ra 43	106	num
Pack0 Ra.7	3	num	Pack1 Ra 14	0	num	Pack1 Ra 20	2	num	Pack1 Ra 32	2	num	Pack1 Ra 38	2	num	Pack1 Ra 44	2	num
Pack0 Ra.8	-3	num	Pack1 Ra 15	2	num	Pack1 Ra 21	9	num	Pack1 Ra 33	9	num	Pack1 Ra 39	9	num	Pack1 Ra 45	9	num
Pack0 Ra.9	0	num	Pack1 Ra 16	9	num	Pack1 Ra 22	19	num	Pack1 Ra 34	19	num	Pack1 Ra 40	19	num	Pack1 Ra 46	19	num
Pack0 Ra.10	2	num	Pack1 Ra 17	9	num	Pack1 Ra 23	106	num	Pack1 Ra 35	106	num	Pack1 Ra 41	106	num	Pack1 Ra 47	106	num
Pack0 Ra.11	2	num	Pack1 Ra 18	19	num	Pack1 Ra 24	0	num	Pack1 Ra 36	0	num	Pack1 Ra 42	0	num	Pack1 Ra 48	0	num
Pack0 Ra.12	9	num	Pack1 Ra 19	106	num	Pack1 Ra 25	2	num	Pack1 Ra 37	2	num	Pack1 Ra 43	2	num	Pack1 Ra 49	2	num
Pack0 Ra.13	19	num	Pack1 Ra 20	0	num	Pack1 Ra 26	9	num	Pack1 Ra 38	9	num	Pack1 Ra 44	9	num	Pack1 Ra 50	9	num
Pack0 Ra.14	106	num	Pack1 Ra 21	9	num	Pack1 Ra 27	19	num	Pack1 Ra 39	19	num	Pack1 Ra 45	19	num	Pack1 Ra 51	19	num
Pack1 Ra	-	-	Pack1 Ra 22	106	num	Pack1 Ra 28	0	num	Pack1 Ra 40	0	num	Pack1 Ra 46	0	num	Pack1 Ra 52	0	num
Pack1 Ra.status	FF		Pack1 Ra 23	2	num	Pack1 Ra 29	2	num	Pack1 Ra 41	2	num	Pack1 Ra 47	2	num	Pack1 Ra 53	2	num
Pack1 Ra.flag	FF		Pack1 Ra 24	9	num	Pack1 Ra 30	9	num	Pack1 Ra 42	9	num	Pack1 Ra 48	9	num	Pack1 Ra 54	9	num
Pack1 Ra.Base R	18		Pack1 Ra 25	18		Pack1 Ra 31	18		Pack1 Ra 43	18		Pack1 Ra 49	18		Pack1 Ra 55	18	
Pack1 Ra.Gain	00		Pack1 Ra 26	00		Pack1 Ra 32	00		Pack1 Ra 44	00		Pack1 Ra 50	00		Pack1 Ra 56	00	
Pack1 Ra.1	3	num	Pack1 Ra 27	3	num	Pack1 Ra 33	3	num	Pack1 Ra 45	3	num	Pack1 Ra 51	3	num	Pack1 Ra 57	3	num
Pack1 Ra.2	3	num	Pack1 Ra 28	3	num	Pack1 Ra 34	3	num	Pack1 Ra 46	3	num	Pack1 Ra 52	3	num	Pack1 Ra 58	3	num

Communication OK. SBS Task Progress: 100% Task Completed. 09:21:33

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

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Read All Write All Write All, Preserve ... *Right click on constant name for more information

Configuration			System Data			Gas Gauging			OCV Tables			Default Ra Tables		
Ra Tables			Calibration			Security								
Pack0 Ra	-	-	Pack1 Ra 3	3	num	Pack0 Rax 9	0	num	Pack0 Rax 10	2	num	Pack0 Rax 11	2	num
Pack0 Ra status	FF		Pack1 Ra 4	6	num	Pack0 Rax 12	9	num	Pack0 Rax 13	19	num	Pack0 Rax 14	106	num
Pack0 Ra flag	55		Pack1 Ra 5	-8	num	Pack1 Rax	-	-	Pack1 Rax 1	3	num	Pack1 Rax 2	3	num
Pack0 Ra Base R	18		Pack1 Ra 6	4	num	Pack0 Rax 10	2	num	Pack1 Rax 3	3	num	Pack0 Rax 11	2	num
Pack0 Ra Gain	00		Pack1 Ra 7	3	num	Pack1 Rax 12	9	num	Pack1 Rax 4	6	num	Pack0 Rax 13	18	num
Pack0 Ra 1	3	num	Pack1 Ra 8	-3	num	Pack1 Rax 14	106	num	Pack0 Rax Gain	00		Pack1 Rax 15	-	-
Pack0 Ra 2	3	num	Pack1 Ra 9	0	num	Pack0 Rax	-	-	Pack0 Rax 1	3	num	Pack0 Rax 2	3	num
Pack0 Ra 3	3	num	Pack1 Ra 10	2	num	Pack0 Rax 10	FF		Pack0 Rax 3	3	num	Pack0 Rax 11	2	num
Pack0 Ra 4	6	num	Pack1 Ra 11	2	num	Pack0 Rax 12	FF		Pack0 Rax 4	6	num	Pack0 Rax 13	18	num
Pack0 Ra 5	-8	num	Pack1 Ra 12	9	num	Pack0 Rax 14	106	num	Pack0 Rax 5	-8	num	Pack0 Rax 15	-	-
Pack0 Ra 6	4	num	Pack1 Ra 13	19	num	Pack1 Rax	-	-	Pack0 Rax 6	4	num	Pack1 Rax 7	3	num
Pack0 Ra 7	3	num	Pack1 Ra 14	106	num	Pack0 Rax 1	3	num	Pack1 Rax 8	-3	num	Pack1 Rax 9	0	num
Pack0 Ra 8	-3	num	Pack1 Ra	-	-	Pack0 Rax 2	3	num	Pack1 Rax 10	2	num	Pack1 Rax 11	2	num
Pack0 Ra 9	0	num	Pack1 Ra status	FF		Pack0 Rax 3	3	num	Pack1 Rax 12	9	num	Pack1 Rax 13	19	num
Pack0 Ra 10	2	num	Pack1 Ra flag	55		Pack0 Rax 4	6	num	Pack1 Rax 14	106	num	Pack1 Rax 15	-	-
Pack0 Ra 11	2	num	Pack1 Ra Base R	18		Pack0 Rax 5	-8	num	FactRestore Key	0DEF0FAC		Communication OK.	SBS Task Progress: 100% Task Completed.	09:21:33
Pack0 Ra 12	9	num	Pack1 Ra Gain	00		Pack0 Rax 6	4	num						
Pack0 Ra 13	19	num	Pack1 Ra 1	3	num	Pack0 Rax 7	3	num						
Pack0 Ra 14	106	num	Pack1 Ra 2	3	num	Pack0 Rax 8	-3	num						
Pack1 Ra	-	-												
Pack1 Ra status	FF													
Pack1 Ra flag	55													
Pack1 Ra Base R	18													
Pack1 Ra Gain	00													
Pack1 Ra 1	3	num												
Pack1 Ra 2	3	num												

*Right click on constant name for more information

Communication OK. SBS Task Progress: 100% | Task Completed. 09:21:33

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

File Options Data Flash View Window Help

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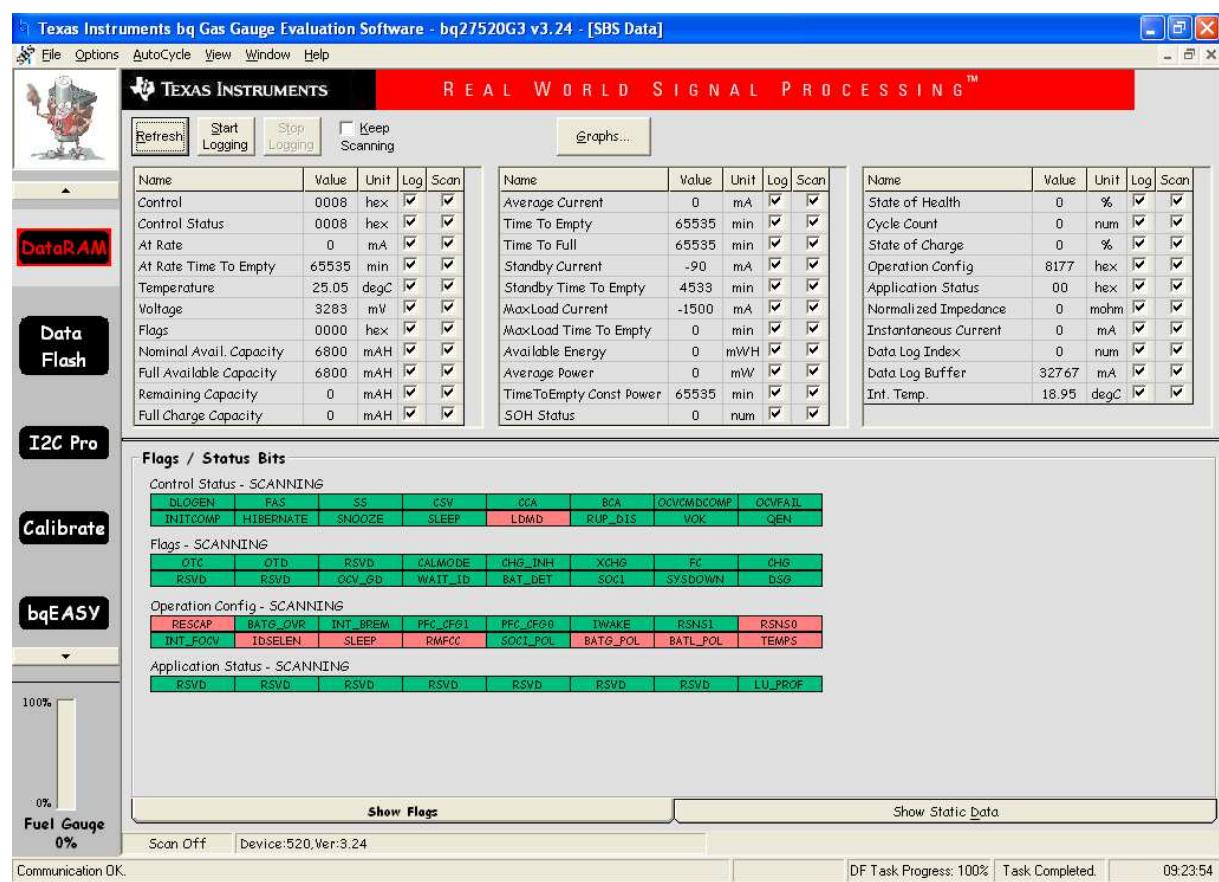
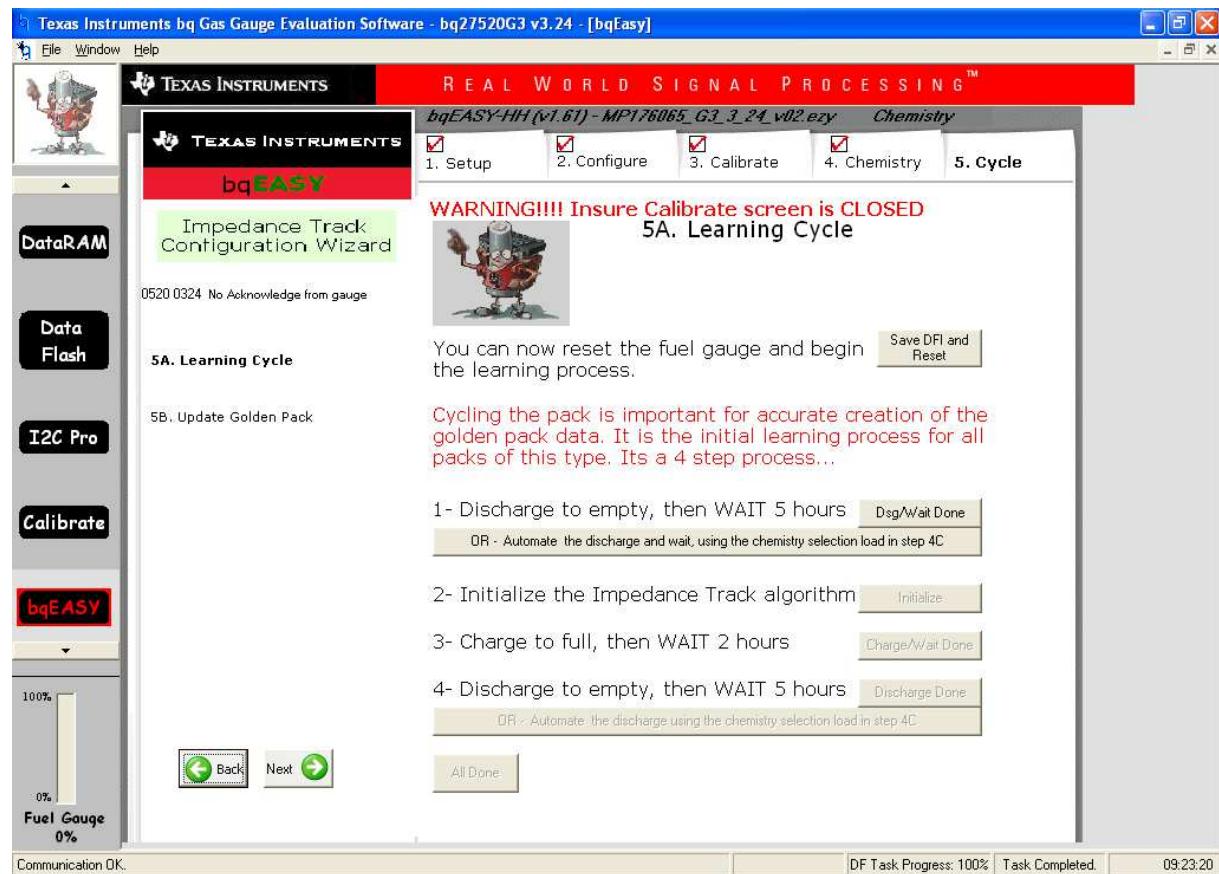
Read All Write All Write All, Preserve ... *Right click on constant name for more information

Configuration			System Data			Gas Gauging			OCV Tables			Default Ra Tables		
Ra Tables			Calibration			Security								
Codes	-	-	Unsealed to Full	FFFFFFFFFF		Name	Value	Unit	Name	Value	Unit	Name	Value	Unit
Sealed to Unsealed	36720414													

*Right click on constant name for more information

Communication OK. SBS Task Progress: 100% | Task Completed. 09:21:47

After click « Save DFI and Reset ». RUP_DIS is cleared (green), it should be set (red).



Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

File Options Data Flash View Window Help

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Read All Write All Write All, Preserve ... *Right click on constant name for more information

Ra Tables			Calibration			Security			OCV Tables			Default Ra Tables		
Configuration			System Data			Gas Gauging								
Name	Value	Unit	Name	Value	Unit	Name	Value	Unit	Name	Value	Unit	Name	Value	Unit
IT_cfg	-	-	Min Sim Rate	20	C/rate	State	-	-	IT_Enable	00	hex	DataRAM	-	-
Load Select	3	num	Ra_Max_Delta	44	mOhms	App_Status	00	flg	Qmax_Cell_0	6800	mAh	Data Flash	-	-
Load Mode	1	num	Qmax_Max_Delta_%	5	%	Cycle_Count_0	0	num	Update_Status_0	00	hex	I2C_Pro	-	-
Max Res Factor	20	num	Delta_V_Max_dV	10	mV	Qmax_Cell_1	6800	mAh	Cycle_Count_1	0	num	Calibrate	-	-
Min Res Factor	5	num	Max_Res_Scale	5000	num	Update_Status_1	00	hex	Cell_0_Chg_dod_at_EoC	0	num	bqEASY	-	-
Ra_Filter	500	num	Min_Res_Scale	200	num	Avg_I_Last_Run	-299	mA	Cell_1_Chg_dod_at_EoC	0	num	Fuel_Gauge	0%	100%
Min % Passed Chg for Qm	37	%	Fast_Scale_Start_SOC	10	%	Avg_P_Last_Run	-1131	mW	Delta_Voltage	2	mV	Communication OK.	DF Task Progress: 100% Task Completed.	09:24:01
Qmax_Filter	96	num	Current_Thresholds	-	-	T_Rise	20	Num	T_Time_Constant	1000	Num			
Terminate Voltage	3000	mV	Dsg_Current_Threshold	60	mA									
Term_V_Delta	200	mV	Chg_Current_Threshold	75	mA									
ResRelax Time	500	Sec	Quit_Current	30	mA									
User_Rate_mA	0	mA	Dsg_Relax_Time	60	Sec									
User_Rate_mW	0	mW	Chg_Relax_Time	60	Sec									
Reserve_Cap_mA	0	mAh	Quit_Relax_Time	1	Sec									
Reserve_Cap_mWh	0	mWh	Transient_Factor_Charge	255	num									
Min_Delta_Voltage	0	mV	Transient_Factor_Discharge	255	num									
Max_Sim_Rate	1	C/rate	Max_IR_Correct	400	mV									

Battery already discharged and relaxed, after click « Dsg/Wait Done ». RUP_DIS it should be set (red).

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [bqEasy]

File Window Help

TEXAS INSTRUMENTS REAL WORLD SIGNAL PROCESSING™

bqEASY-HH (v1.61) - MP176085_G3_3_24_v02.ezy Chemistry

1. Setup 2. Configure 3. Calibrate 4. Chemistry 5. Cycle

WARNING!!!! Insure Calibrate screen is CLOSED 5A. Learning Cycle

Impedance Track Configuration Wizard

0520 0324 Communication Status OK

5A. Learning Cycle

You can now reset the fuel gauge and begin

5B. Update Golden Pack

Cycling the pack is important for accurate creation of the golden pack data. It is the initial learning process for all packs of this type. Its a 4 step process...

1- Discharge to empty, then WAIT 5 hours
OR - Automate the discharge and wait, using the chemistry selection load in step 4C

2- Initialize the Impedance Track algorithm

3- Charge to full, then WAIT 2 hours

4- Discharge to empty, then WAIT 5 hours
OR - Automate the discharge using the chemistry selection load in step 4C

Back Next

Communication OK. DF Task Progress: 100% | Task Completed. 09:24:55

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [SBS Data]

File Options AutoCycle View Window Help

TEXAS INSTRUMENTS REAL WORLD SIGNAL PROCESSING™

Data RAM

Data Flash

I2C Pro

Calibrate

bqEASY

Fuel Gauge 0%

Communication OK.

Start Logging Stop Logging Keep Scanning Graphs...

Name	Value	Unit	Log	Scan
Control	0008	hex	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Control Status	0008	hex	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
At Rate	0	mA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
At Rate Time To Empty	65535	min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Temperature	25.05	degC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Voltage	3284	mV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flags	0000	hex	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Nominal Avail. Capacity	6800	mA·h	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Full Available Capacity	6800	mA·h	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remaining Capacity	0	mA·h	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Full Charge Capacity	0	mA·h	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Name	Value	Unit	Log	Scan
Average Current	0	mA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time To Empty	65535	min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time To Full	65535	min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Standby Current	-90	mA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Standby Time To Empty	4533	min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Max Load Current	-1500	mA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Max Load Time To Empty	0	min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Available Energy	0	mWh	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Average Power	0	mW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TimeToEmpty Const Power	65535	min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SOH Status	0	num	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Name	Value	Unit	Log	Scan
State of Health	0	%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cycle Count	0	num	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
State of Charge	0	%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operation Config	8177	hex	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Application Status	00	hex	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Normalized Impedance	0	mohm	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Instantaneous Current	1	mA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Log Index	0	num	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Log Buffer	32767	mA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Int. Temp.	18.85	degC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Flags / Status Bits

Control Status - SCANNING							
BLOOPEN	FAS	SS	CSV	CCA	BCA	OCVCMDCOMP	OCVFAIL
INITCOMP	HIBERNATE	SNOOZE	SLEEP	LDMD	RUP_DIS	VOK	QEN

Flags - SCANNING							
OTC	OTD	RSVD	CALMODE	CHG_INH	XCHG	FC	CHG
RSVB	RSVB	OCV_GD	WAIT_ID	BAT_DET	SOC1	SYSDOWN	DSG

Operation Config - SCANNING							
RESCAP	BATG_OVR	INT_BREM	PFC_CFG1	PFC_CFG0	IVAKE	RSNS1	RSNS0
INT_FOGV	IDSELEN	SLEEP	RMFCC	SOC1_POL	BATG_POL	BATL_POL	TEMPS

Application Status - SCANNING							
RSVB	RSVB	RSVB	RSVB	RSVB	RSVB	RSVB	LU_PROF

Show Flags Show Static Data

Scan Off Device:520.Ver:3.24 DF Task Progress: 100% Task Completed. 09:25:05

Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

File Options Data Flash View Window Help

TEXAS INSTRUMENTS REAL WORLD SIGNAL PROCESSING™

Data RAM

Data Flash

I2C Pro

Calibrate

bqEASY

Fuel Gauge 0%

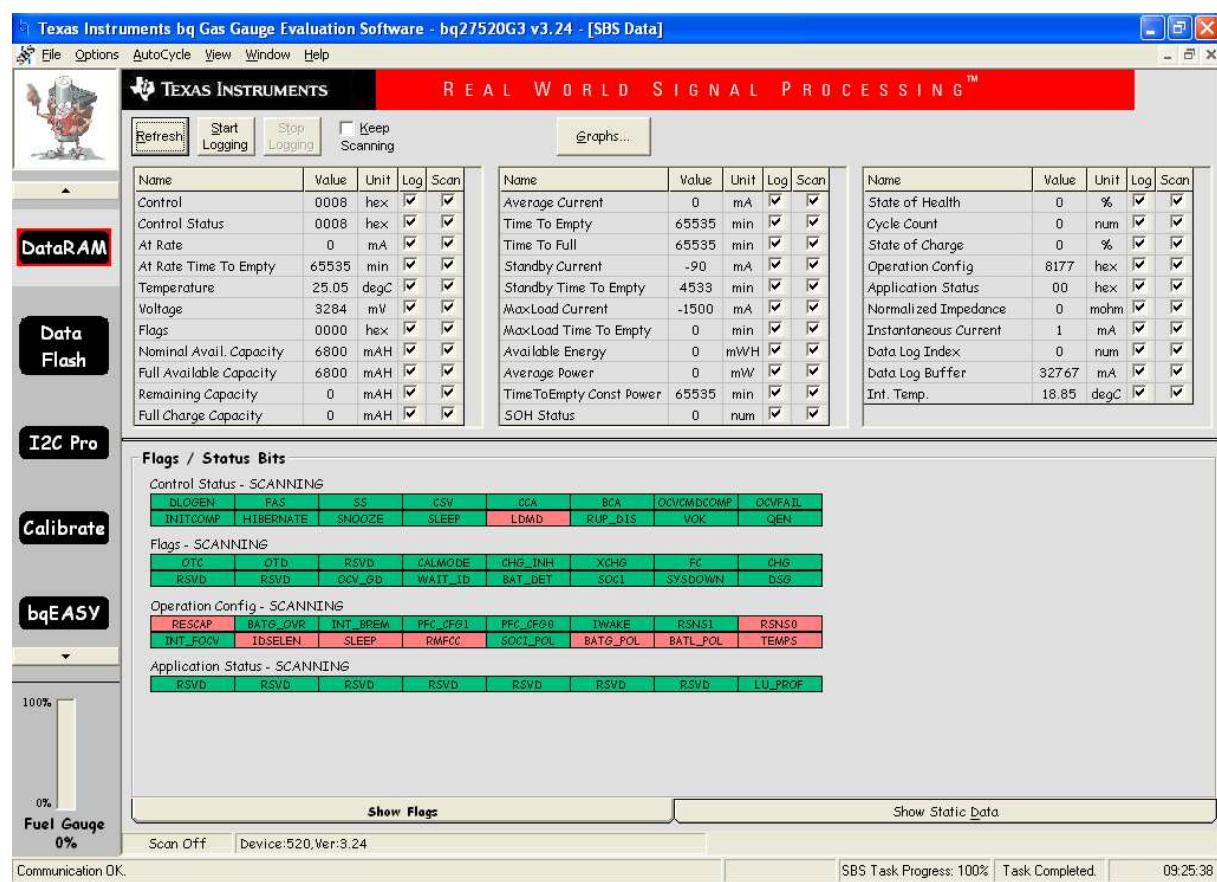
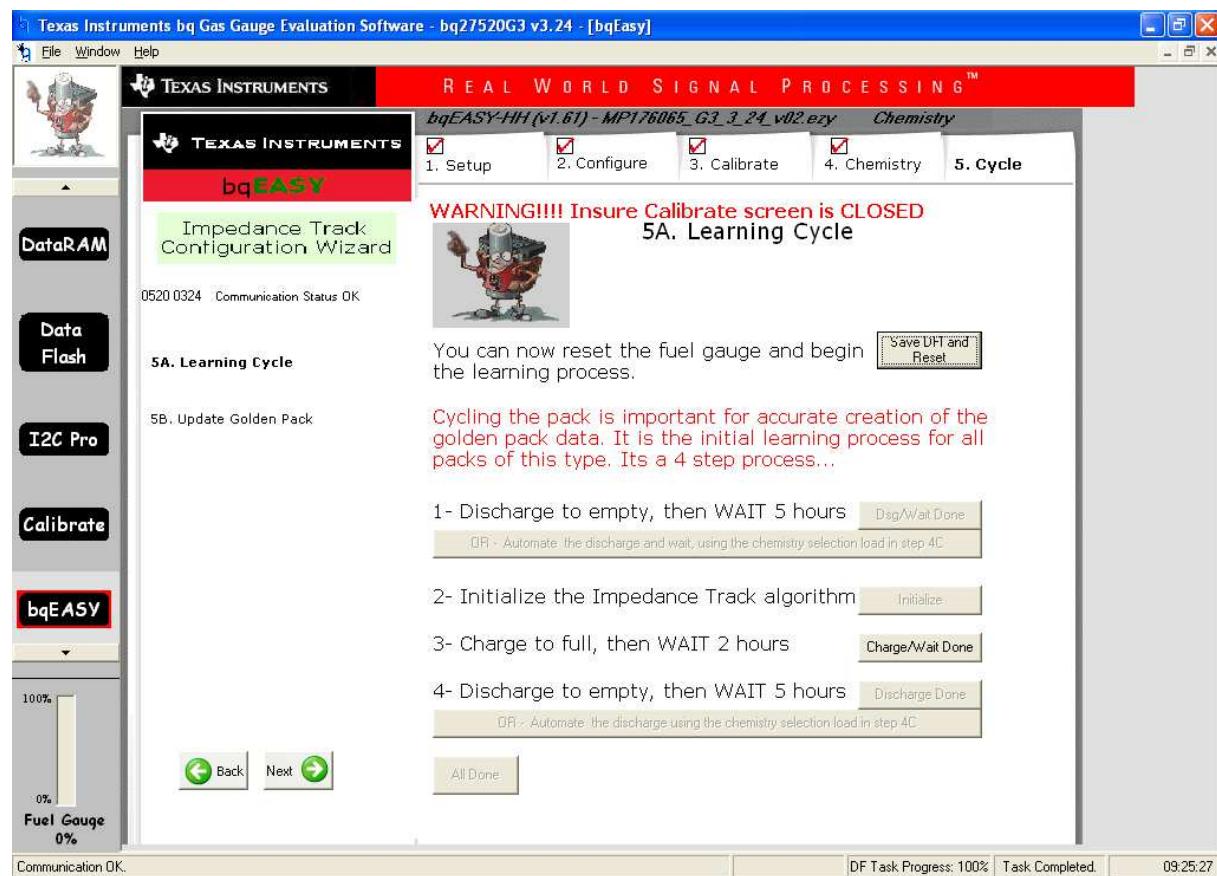
Communication OK.

Read All Write All Write All, Preserve ... *Right click on constant name for more information

Ra Tables		Calibration		Security		OCV Tables		Default Ra Tables		
Configuration		System Data		Gas Gauging						
Name	Value	Unit		Name	Value	Unit		Name	Value	Unit
IT_cfg	-	-		Min Sim Rate	20	C/rate		State	-	-
Load Select	3	num		Ra_Max Delta	44	mOhms		IT_Enable	00	hex
Load Mode	1	num		Qmax Max Delta %	5	%		App_Status	00	flg
Max Res Factor	20	num		DeltaV Max dV	10	mV		Qmax Cell 0	6800	mA·h
Min Res Factor	5	num		Max Res Scale	5000	num		Cycle Count 0	0	num
Ra Filter	500	num		Min Res Scale	200	num		Update_Status 0	00	hex
Min % Passed Chg for Qm	37	%		Fast Scale Start SOC	10	%		Qmax Cell 1	6800	mA·h
Qmax Filter	96	num		Current Thresholds	-	-		Cycle Count 1	0	num
Terminate Voltage	3000	mV		Dsg Current Threshold	60	mA		Update_Status 1	00	hex
Term V Delta	200	mV		Chg Current Threshold	75	mA		Cell 0 Chg dcd at EoC	0	num
ResRelax Time	500	Sec		Quit Current	30	mA		Cell 1 Chg dcd at EoC	0	num
User Rate-mA	0	mA		Dsg Relax Time	60	Sec		Avg I Last Run	-299	mA
User Rate-mW	0	mW		Chg Relax Time	60	Sec		Avg P Last Run	-1131	mW
Reserve Cap-mAh	0	mAh		Quit Relax Time	1	Sec		Delta Voltage	2	mV
Reserve Cap-mWh	0	mWh		Transient Factor Charge	255	num		T_Rise	20	Num
Min Delta Voltage	0	mV		Transient Factor Discharge	255	num		T_Time Constant	1000	Num
Max Sim Rate	1	C/rate		Max IR Correct	400	mV				

DF Task Progress: 100% Task Completed. 09:25:14

After click « Initialize ». VOK and QEN should be set (red).



Texas Instruments bq Gas Gauge Evaluation Software - bq27520G3 v3.24 - [Data Flash Constants]

File Options Data Flash View Window Help

TEXAS INSTRUMENTS REAL WORLD SIGNAL PROCESSING™

Read All Write All Write All, Preserve ... *Right click on constant name for more information

Ra Tables			Calibration			Security			Gas Gauging™			OCV Tables			Default Ra Tables		
Configuration			System Data														
IT cfg	-	-	Min Sim Rate	20	C/rate	Ra Max Delta	44	mOhms	Qmax Max Delta %	5	%	DeltaV Max dV	10	mV	Max Res Scale	5000	num
Load Select	3	num	Min Res Scale	200	num	Fast Scale Start SOC	10	%	Current Thresholds	-	-	Dsg Current Threshold	60	mA	Chg Current Threshold	75	mA
Load Mode	1	num	Quit Current	30	mA	Dsg Relax Time	60	Sec	Chg Relax Time	60	Sec	Quit Relax Time	1	Sec	Transient Factor Charge	255	num
Max Res Factor	20	num	Transistor Factor Discharge	255	num	Max IR Correct	400	mV									
Min Res Factor	5	num															
Ra Filter	500	num															
Min % Passed Chg for Qm	37	%															
Qmax Filter	96	num															
Terminate Voltage	3000	mV															
Term V Delta	200	mV															
ResRelax Time	500	Sec															
User Rate-mA	0	mA															
User Rate-mW	0	mW															
Reserve Cap-mAh	0	mAh															
Reserve Cap-mWh	0	mWh															
Min Delta Voltage	0	mV															
Max Sim Rate	1	C/rate															

Fuel Gauge 0%

Communication OK. DF Task Progress: 100% Task Completed. 09:25:54

Export to MP176065_G3_2_initialize.bat3.gg .