

About How BQStudio Works with the BQ34Z100EVM Connected

How to Write a Golden Image

- How to write a Golden Image
- 1. Setting the Number of Cells
Pack configuration=0961
Number of series cell=2
- 2. Calibration Implementation
- 3. Chemistry Selection - > Save
- 4. Firmware Update
- 5. Learning Cycle
- 6. Golden Image Creation
- 7. Golden Image Writing

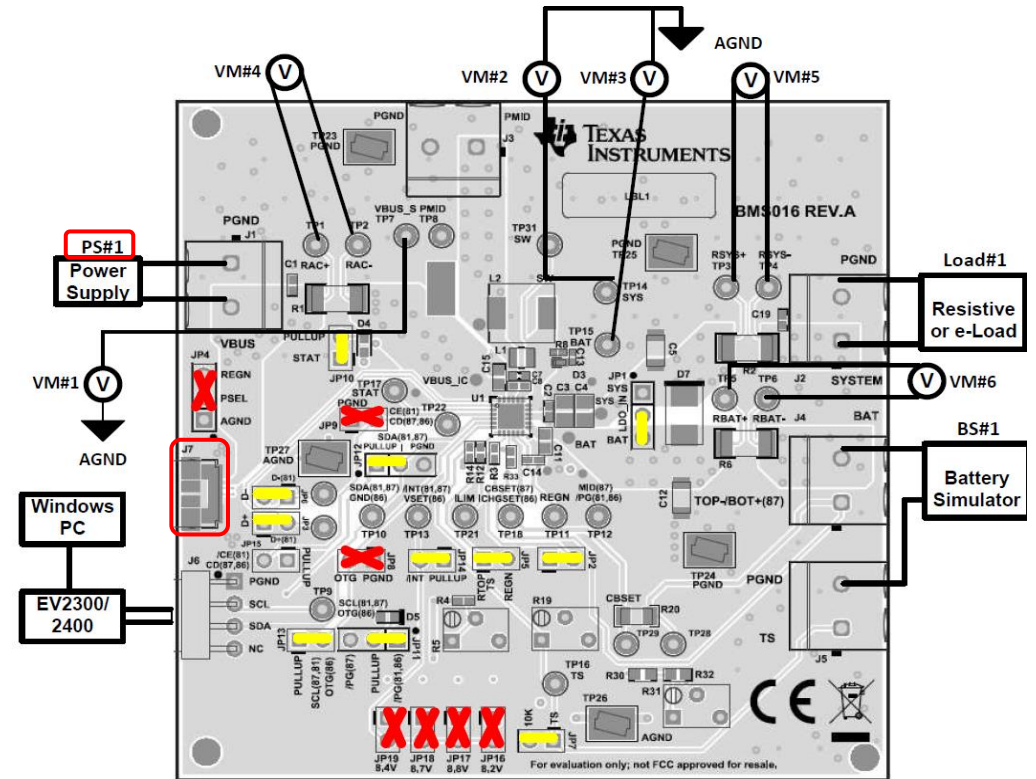


Figure 1. BQ25883 Charge Mode Test Setup

PS#1 not connected
J7 is USB connected

Setting Conditions

The equipment and conditions used are as follows.

- EV2400 + BQ34Z100EVM connected by I2C (communication established)
- Battery Management Studio: Ver. 1.3. 111
- Battery: 2 cells
- J1 (jumper): short circuit
- J2 (jumper): 16 V only short circuit
- J3 (jumper): D only short circuit
- J5 (jumper): 2 short circuits on >5V side
- J6 (jumper): EXT only short circuits

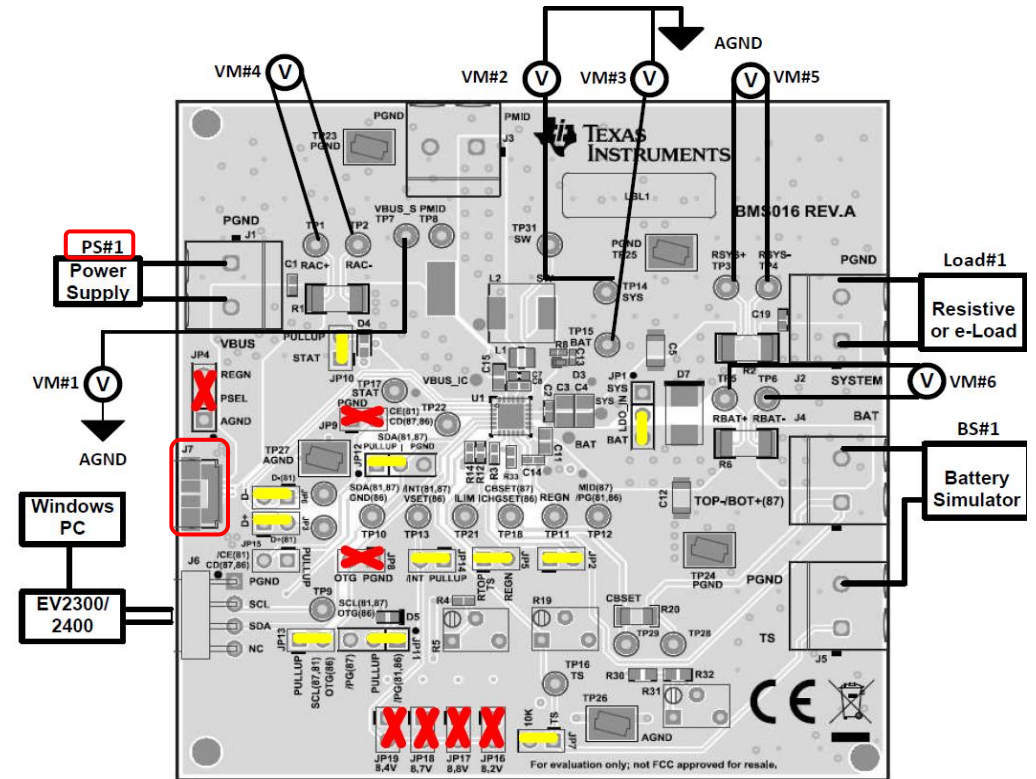
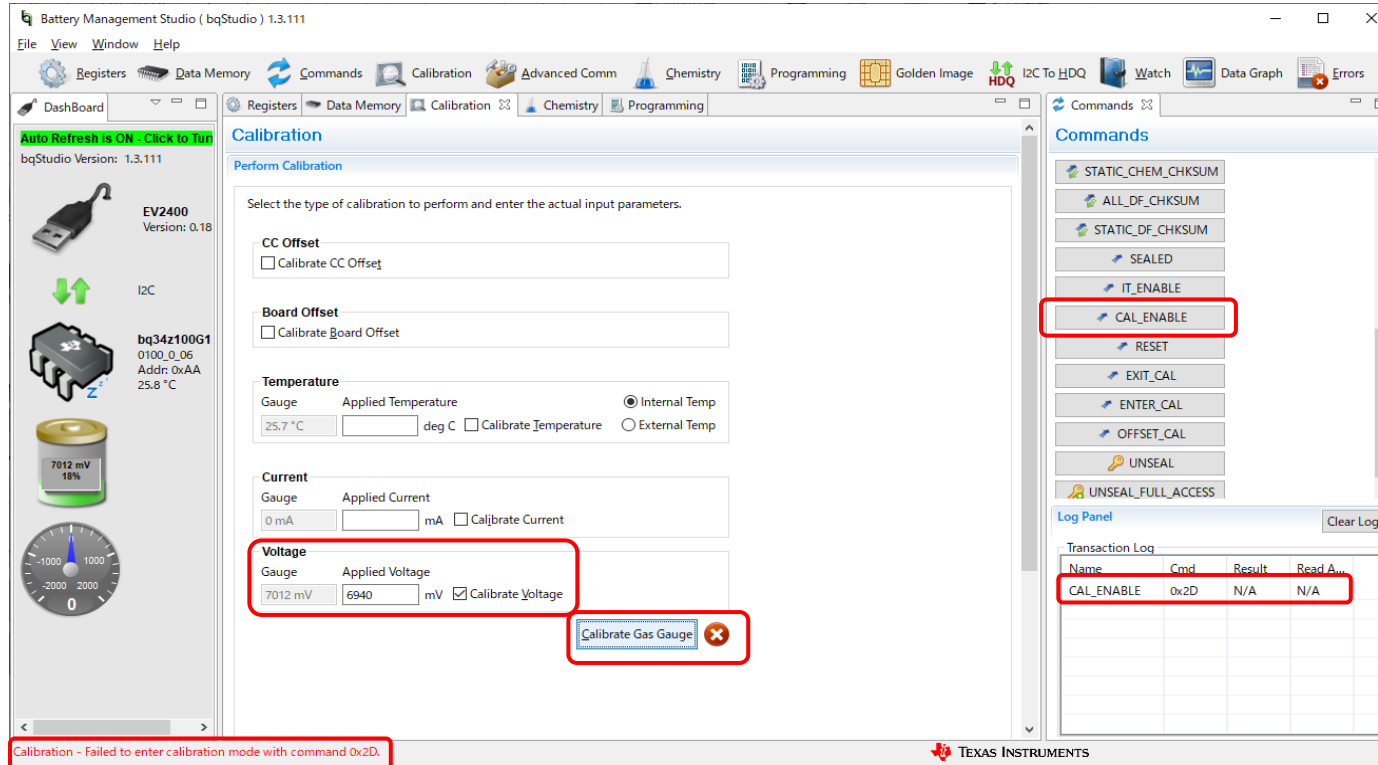


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PS#1 not connected
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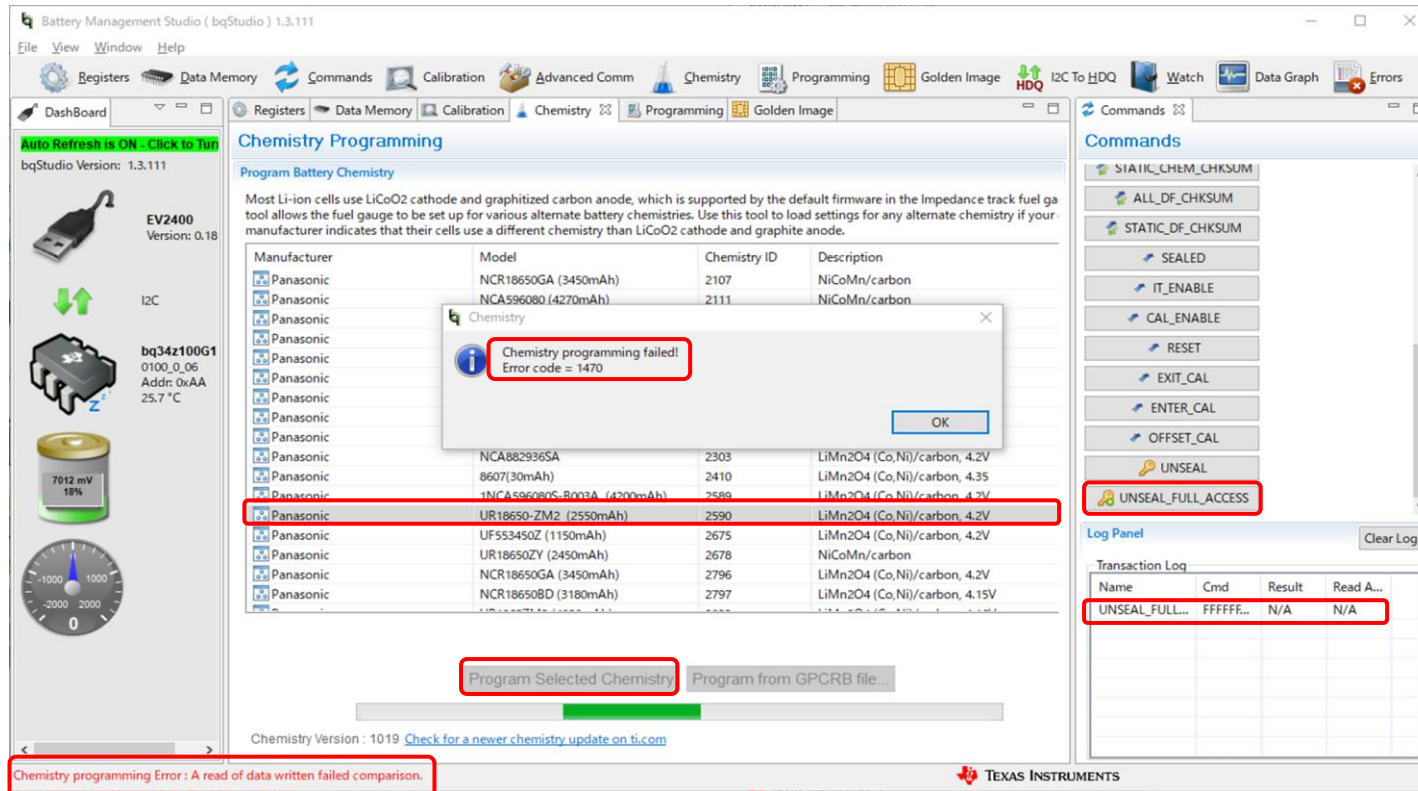
Capturing the Calibration Screen



- Procedure
1. UNSEAL _ FULL _ ACCESS Command Execution
 2. Write the measured value on Voltage and check it
 3. Push Calibrate Gas Gauge button

Calibration does not succeed with an error (X mark).
What could be the cause?

Capturing the Chemistry Programming Screen



- Procedure
1. UNSEAL_FULL_ACCESS Command Execution
 2. Battery pack selection
 3. Push the Program Selected Chemistry button

I want to select a battery pack from the Chemistry sheet and save it, but I get Error code 1470.
What could be the cause?