BQ78350 Authentication and unseal Key

1. Calibration
   Must use the 3.18 version battery manage studio and BQ78350 005 version firmware

2. Authentication

   Default Key is 01 23 45 67 89 AB CD EF FE BA 98 76 54 32 10

   A. How to change the SHA-1 KEY

   Write 0x37, 0x00+16 bytes SHA-1 KEY to 0x44

   B. Authenticate

   Write 20 bytes random message to 0x2F, and read 20 bytes data from 0x2F()

   Compare the result with the host

   **Host Authentication Challenge**

   Key:
   
   Message:

   Digest: F5 49 EB 86 45 61 C4 D1 28 91 DC E1 EE BD 86 43 AC 0C BB 4B

   C. Read the SHA-1 key
   Can’t read the key because of security exposure

3. Seal/Unseal the gauge

   A. How to change the unseal KEY

   Write 0x35, 0x00+8 bytes unseal/Full access KEY to 0x44
B. How to read the unseal KEY

Write 0x35 to 0x00, read 8 bytes from 0x23

C. unseal the gauge

Use the Unseal/full_access button and input the Key.