

Bosch Sensortec BNO055 test program on Apr 9 2015/21:06:22  
Bosch BNO055 is NOT available!!

Reset

Bosch BNO055 is available now!!

AXIS\_REMAP\_CONFIG:0x24, AXIS\_REMAP\_SIGN:0x00

CHIP ID:0xa0, ACC ID:0xfb, MAG ID:0x32, GYR ID:0x0f, SW REV:0x0015, BL REV:0x11

If you would like to calibrate the BNO055, please hit 'y' (No: any other key)

----- Enter BNO055 Manual Calibration Mode -----

Step1) Please wait few seconds

Calb dat = 0x30 target = 0x30(at least)

-> Step1) is done

Step2) random moving (try to change the BNO055 axis)

Calb dat = 0x30 target = 0x33(at least)

Calb dat = 0x32 target = 0x33(at least)

Calb dat = 0xf3 target = 0x33(at least)

-> Step2) is done

Step3) Change rotation each X,Y,Z axis KEEP SLOWLY!! Each 90deg stay few sec and set at least 6 position.

e.g.(1)ACC:X0,Y0,Z-9,(2)ACC:X9,Y0,Z0,(3)ACC:X0,Y0,Z9,(4)ACC:X-9,Y0,Z0,(5)ACC:X0,Y-9,Z0,(6)ACC:X0,Y9,Z0,

If you will give up, hit any key.

Calb dat = 0xf3 target = 0xff ACC:X 9, Y 0, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X 2, Y 0, Z -9 Moving slowly  
Calb dat = 0xf3 target = 0xff ACC:X 1, Y 0, Z -9

Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z -9  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z -9  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z -9 Stationally Postion 1  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z -9  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z -9

Calb dat = 0xf3 target = 0xff ACC:X 4, Y 0, Z -8  
Calb dat = 0xf3 target = 0xff ACC:X 7, Y 0, Z -5 Moving slowly  
Calb dat = 0xf3 target = 0xff ACC:X 9, Y 0, Z -3  
Calb dat = 0xf3 target = 0xff ACC:X 9, Y 0, Z -1

Calb dat = 0xf3 target = 0xff ACC:X 9, Y 0, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X 9, Y 0, Z 0 Stationally Postion 2  
Calb dat = 0xf3 target = 0xff ACC:X 9, Y 0, Z 3  
Calb dat = 0xf7 target = 0xff ACC:X 8, Y 0, Z 4  
Calb dat = 0xf7 target = 0xff ACC:X 7, Y 0, Z 6 Moving slowly  
Calb dat = 0xf7 target = 0xff ACC:X 4, Y 0, Z 8

Calb dat = 0xf7 target = 0xff ACC:X 0, Y 0, Z 9  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z 9  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z 9  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z 9 Stationally Postion 3  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z 9  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y 0, Z 9

Calb dat = 0xf3 target = 0xff ACC:X -1, Y 1, Z 9  
Calb dat = 0xf3 target = 0xff ACC:X -6, Y 1, Z 6 Moving slowly  
Calb dat = 0xf3 target = 0xff ACC:X -9, Y 0, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X -9, Y 0, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X -9, Y 0, Z 0 Stationally Postion 4  
Calb dat = 0xf3 target = 0xff ACC:X -9, Y 0, Z 0

Calb dat = 0xf3 target = 0xff ACC:X -9, Y -2, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X -8, Y -5, Z 0 Moving slowly  
Calb dat = 0xf3 target = 0xff ACC:X -5, Y -7, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X -3, Y -9, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X -1, Y -9, Z 0

Calb dat = 0xf3 target = 0xff ACC:X 0, Y -9, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y -9, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y -9, Z 0 Stationally Postion 5  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y -9, Z 0  
Calb dat = 0xf3 target = 0xff ACC:X 0, Y -9, Z 0

Calb dat = 0xf3 target = 0xff ACC:X 3, Y -8, Z 2 Moving slowly

Calb dat = 0xf3 target = 0xff ACC:X 7, Y -5, Z 3	Moving slowly	
Calb dat = 0xf3 target = 0xff ACC:X 9, Y 3, Z 0	Stationary	Position 6
Calb dat = 0xf3 target = 0xff ACC:X 7, Y 6, Z 0		
Calb dat = 0xf3 target = 0xff ACC:X 2, Y 9, Z -1		
Calb dat = 0xf3 target = 0xff ACC:X 1, Y 9, Z -1		
Calb dat = 0xf7 target = 0xff ACC:X 0, Y 9, Z -1	Moving slowly	
Calb dat = 0xf7 target = 0xff ACC:X 1, Y 9, Z -1		
Calb dat = 0xf7 target = 0xff ACC:X 0, Y 9, Z -1		
Calb dat = 0xf7 target = 0xff ACC:X 0, Y 9, Z -1	Stationary	Position 7
Calb dat = 0xf7 target = 0xff ACC:X 0, Y 9, Z -1		
Calb dat = 0xf7 target = 0xff ACC:X -1, Y 9, Z -2		
Calb dat = 0xf7 target = 0xff ACC:X -1, Y 2, Z -9	Moving slowly	
Calb dat = 0xf7 target = 0xff ACC:X 0, Y 0, Z -9		
Calb dat = 0xf7 target = 0xff ACC:X 0, Y 0, Z -9		Return to original position
Calb dat = 0xff target = 0xff ACC:X 0, Y 0, Z -9		

-> All of Calibration steps are done successfully!