SEN-36005Configuration

1. Connect sensor to CAN adapter

A picture containing electronics, adapter

Description automatically generated

Red: Power: +7V -- +16V

Black: Ground

Yellow: CAN-High

Green: CAN-Low

1. Run Komodo GUI
   1. Connect port

Graphical user interface, application

Description automatically generated

* 1. Set bitrate or auto bitrate if the sensor is running and should change to 1000 kHz

Graphical user interface, application

Description automatically generated

* 1. Choose channel A or B

Graphical user interface, application

Description automatically generated

* 1. Run

Graphical user interface

Description automatically generated

1. Get Hardware Serial Number

Find the heartbeat message(1Hz) of message ID 0x1F0B01FF(FF is 00 for default, and 01 in this example)

Graphical user interface, text

Description automatically generated

The Hardware Serial Number is byte 1-3, in this example [1B 1B 00]

1. Send the message to the sensor to rename the device ID

Graphical user interface, text, application

Description automatically generated

CAN ID: 0x1f0b03ff

DLC(data length):7

Extended ID(29bit): yes

Data: 0C 1B 1B 00 10 01 03 or now some come with manufacturer number 0x111 soData: 0C 1B 1B 00 11 01 03

Change to your hardware serial number

Change to your new device ID

After you send the message, the sensor message ID end with 03(your new device name)

Graphical user interface, text, application

Description automatically generated

1. Ranging, sample time configuration (optional, 1.4m short range by default)

Send a message, similar to step 4

CAN ID: 0x060b04ss(your device ID)

DLC(data length):8

Extended ID(29bit): yes

To Send 50ms is 32Hex

Data: 00 32 00 00 00 00 0F 0F

Range mode: 00: short mode 1.4m(default)

01: medium mode

02: long mode 4m (only in dark)

(The longer mode used, the darker environment should be)

Sample time(ms): 10-1000, (default 10ms)

DataSheet says minimum sample rate is 24 but it is actually 10ms.