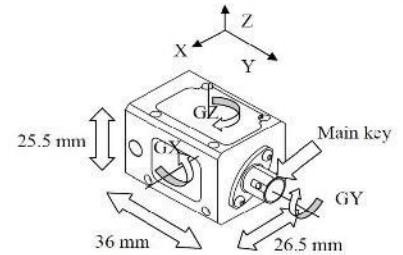




# IB-6 CAN

## 6-axis IMU with CAN output



### AC-GAS-2 Axis XY

#### 2 axis gas accelerometer

### AC-CAP-1 Axis Z

#### 1 axis capacitive accelerometer

### GYRN-1 Axis

#### 1 axis gyroscope (3 times single axis)

Range	$\pm 3$ or $\pm 5G$
Accuracy	$\pm 2\%$ FS
Sensitivity	666 to 400 $\pm 2\%$ mV/G
Bandwidth 3dB	DC to 20 $\pm 15\%$ Hz
Signal at 0G	2.5 $\pm 0.05$ V
Offset Drift	$\pm 20$ mV
Gain Drift	$\pm 1.5\%$
Cross axis sensitivity	4%

Range	$\pm 5G$ , $\pm 10G$ , $\pm 15G$ or $\pm 20G$
Accuracy	$\pm 1.5\%$ FS
Sensitivity	400 to 100 $\pm 8\%$ mV/G
Bandwidth 6dB	DC to 100 Hz
Signal at 0G	2.5 $\pm 0.05$ V
Offset Drift	$\pm 20$ mV
Gain Drift	$\pm 1\%$
Cross axis sensitivity	2.5%

Range	$\pm 100$ or $\pm 150$ °/s
Accuracy	$\pm 2\%$ FS
Sensitivity	20 or 13.3 mV/G
Cut off frequency	50 Hz
Signal at 0°/sec	2.5 $\pm 0.1$ V
Offset Drift	$\pm 25$ mV
Gain Drift	$\pm 1\%$

## IB-6 specifications

Supply voltage	6 to 16 V
Supply current	65 mA
Output voltage	CAN bus 2.0A or B
Baudrate	125k to 1Mbps
Output frequency	1 to 500Hz (request mode)
Output data	16 bits per channel
Output format	16bits or mV

Dimension	36 x 26.5 x 25.5 mm
Material	Aluminium
Weight	60 g
Vibration test	20 Gpp 5'
Shock	500 G
Operating temp	-20 to +100°C
Storage temp	-40 to +125°C

## Pinout

Connector : ASDD006-09PN-HE

Mating connector : ASDD606-09SN-HE

Function / Color	Description	Pin
Supply	Supply (6 to 16 V)	1
	GND	2
CAN	CAN HIGH	3
	CAN LOW	4
manufacturer reserved	do not connect	5

Ordering ref ex: IB6-CAN-XY3-Z5-GX150-GY50-GZ150

IB6-CAN-XYRange-ZRange-GXRange-GYRange-GZRange

	Range		
Acc XY	$\pm 3g$	$\pm 5g$	$\pm 10g$
Acc Z	$\pm 3g$	$\pm 5g$	$\pm 10g$
Gyro XYZ	$\pm 50$ °/s	$\pm 100$ °/s	$\pm 150$ °/s

In the interest of continuous product improvement, we reserve the right to alter without prior notice the specific colours and features described in this document.