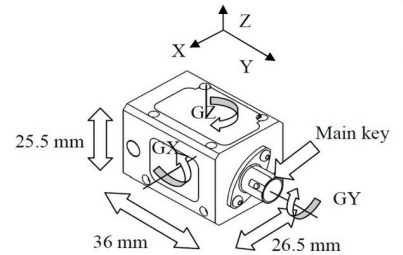


IB-6 CAN

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	± 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 ± 0.05 V
Offset Drift	± 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 ± 0.05 V
Offset Drift	± 20 mV
Gain Drift	$\pm 1\%$
Cross axis sensitivity	2.5%

Range	± 100 or ± 150 $^{\circ}/s$
Accuracy	$\pm 2\%$ FS
Sensitivity	20 or 13.3 mV/G
Cut off frequency	50 Hz
Signal at 0 $^{\circ}/sec$	2.5 ± 0.1 V
Offset Drift	± 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 $^{\circ}C$
Storage temp	-40 to +125 $^{\circ}C$

Pinout

Connector : 8STA0-0205PN

Mating connector : 8STA6-0205SN

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	$\pm 50^{\circ}/s$	$\pm 100^{\circ}/s$	$\pm 150^{\circ}/s$

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