



IB-6

6-axis inertial box with analog 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 °/s
Accuracy	$\pm 2\%$ FS
Sensitivity	20 or 13.3 mV/G
Cut off frequency	50 Hz
Signal at 0°/sec	2.5 ± 0.1 V
Offset Drift	± 25 mV
Gain Drift	$\pm 1\%$

IB-6 specifications

Supply voltage	5 to 16 V
Supply current	28 mA
Output voltage	0 – 5 V
Output impedance	47 Ω

Dimension	36 x 26.5 x 25.5 mm
Material	Aluminium
Weight	TBD g

Vibration test	20 Gpp 5'
Shock	500 G

Operating temp	-20 to +85°C
Storage temp	-20 to +125°C

Pinout

Connector : ASDD-0-08-11-P-N

Function	Pin
Supply Acc	1
0V Acc	2
Signal X Acc	3
Signal Y Acc	4
Signal Z Acc	5
Supply Gyro	6
0V Gyro	7
Signal X Gyro	8
Signal Y Gyro	9
Signal Z Gyro	10
Not connected	11

Ordering ref ex: IB6-XY5-Z15-GX150-GY50-GZ150
IB6-XYRange-ZRange-GXRange-GYRange-GZRange

	Range				
Acc XY	$\pm 3g$	$\pm 5g$			
Acc Z	$\pm 5g$	$\pm 10g$	$\pm 15g$	$\pm 20g$	
Gyro XYZ	± 50 °/s	± 100 °/s	± 150 °/s		