



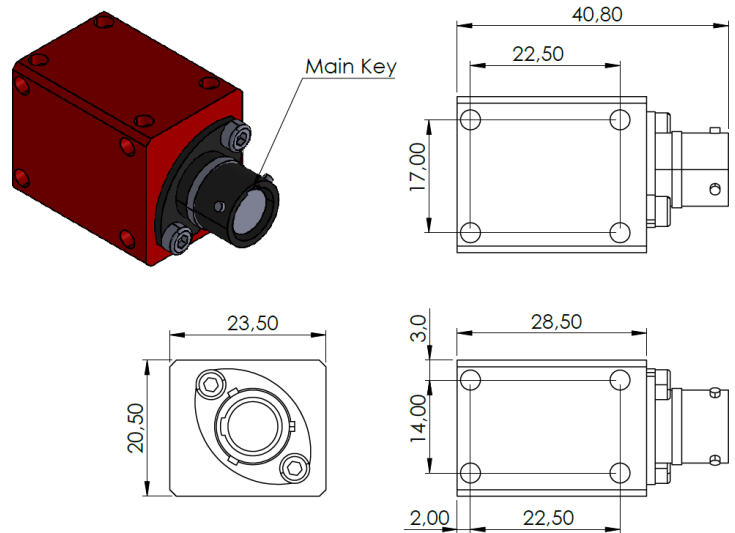
IB4

Inertial Base with 3 axis accelerometer and 1 axis gyroscope

Accelerometer X and Y axis features (Gas technology)					
Available Ranges	±3	±5	G		
Sensitivity typ	666 ±2%	400±2%	mV/G		
Accuracy	±2			%FS	
Bandwidth (@ -3dB)	DC to 20 ±15%			Hz	
Signal at 0G	2.500 ±0.050			V	
Offset Drift (20 to 80°C)	±20			mV	
Gain Drift (20 to 80°C)	±1.5			%	
Cross axis sensitivity	4			%	
Accelerometer Z axis features (Capacitive technology)					
Available Ranges	±3,	±5,	±10,	±15,	±20
Sensitivity typ	666	400	200	133	100
Accuracy	±1.5			%FS	
Standard bandwidth (@ -3dB)	DC to 65			Hz	
Max bandwidth on request (@ -3dB)	DC to 700			Hz	
Z signal at 0G	2.500 ±0.050			V	
Offset Drift (20 to 80°C)	±20			mV	
Gain Drift (20 to 80°C)	±1			%	
Cross axis sensitivity	2.5			%	
Gyroscope					
Range	±50,	±100,	±150	%s	
Sensitivity typ	40	20	13.3	mV/°s	
Accuracy	±2			%FS	
Cut off frequency 1st order signal at 0°/sec	50			Hz	
signal at 0°/sec	2.500±0.100			V	
Electrical features					
Supply Voltage	6 to 16			V	
Supply Current	18			mA	
Output Voltage	0-5			V	
Output Impedance	47			Ω	
Mechanical features					
Housing Dim	28.5x23.5x20.5			mm	
Material	Aluminum				
Weight	35			g	
Protection	IP66				
Environment					
Vibration test	20Gpp 5'				
Shock	500			G	
Operating Temp	-20 to +85			°C	
Storage Temp	-40 to +125			°C	

Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

Mechanical drawing



Axis Definition

