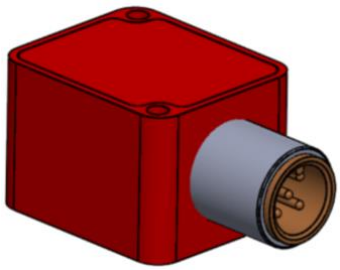
AC-CAP-PRO

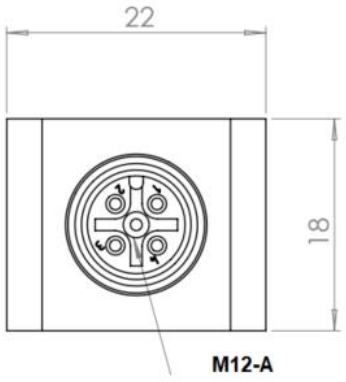
CAPACITIVE ACCELEROMETER

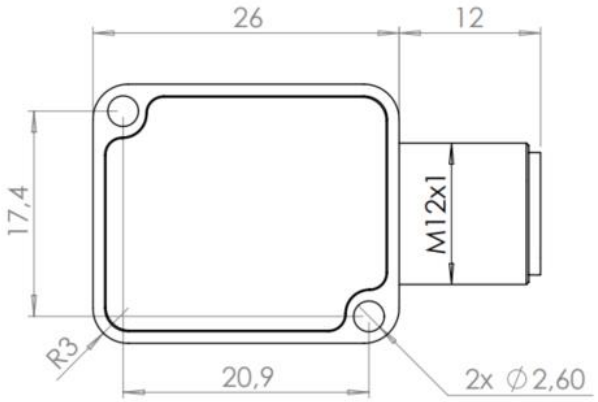
Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

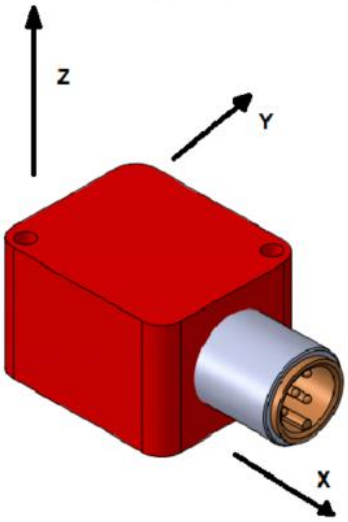


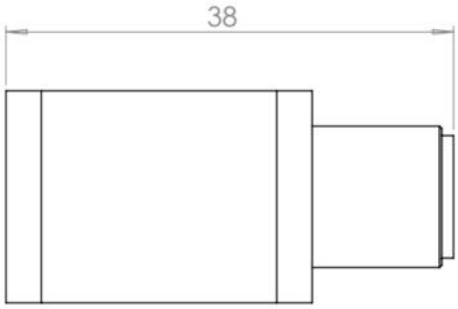
Range	G	±2	±5	±10	±20	±40	±100	±200
Nonlinearity	%FSO	0.2	0.2	0.3	0.3	0.3	0.5	0.5
Sensitivity	mV/G	1000	400	200	100	50	20	10
Signal at 0G	V	2.5±0.05						
Cut off frequency -3dB (other on request)	Hz	500				1000	1000	1000
Sensor resonance	HZ	5500				8000	16500	16500
Cross axis sensitivity	%FSO	1	1	1	1	2	2	2
Noise	mG/√Hz	0.25	0.25	0.3	0.3	1	4	4
Offset Drift	%FS/°C	±0.03	±0.015	±0.03	±0.015	±0.02	±0.03	±0.015
Gain Drift	%FS/°C	±0.02						
Supply Voltage	V	5 to 30V						
Supply current	mA	2						
Output voltage for FSO	V	0,5 to 4,5						
Output impedance	Ω	≤10						
Max output load	Ω	5000						
Connector		M12-A 5 pins male (ref BINDER 09-0433-74-05)						
Recommended mating connector		Ref TE: 1-2273035-1						
Calibrator		LDS V406						
Dimensions	mm	38x22x18						
Weight	g	24						
Protection		IP65						
Shock	G	1000						
Insulation 50Vdc	MΩ	100						
Operating temp	°C	-40 to +85						
Storage temp	°C	-40 to +125						
Conformity		CE EMC 2014/30/EC RoHS 2011/65/EC						

M12 PIN	Function
1	Supply
2	0V
3	Signal X
4	Signal Y
5	Signal Z









Ordering

AC-CAP-PRO	-Axis number	-Axis	-Range G
	1 1 axis	X	2
	2 2 axis	XY	5
	3 3 axis	XZ	10
		XYZ	20
		Y	40
		YZ	100
		Z	200

Ex: AC-CAP-PRO-2-XY-10