



# AC-GAS2-H

2 axis accelerometer with analogical outputs  
Ref: AC-GAS-H

SN: A##### Software version: v#.##

Texys sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

Accelerometer Sensor Readings		
	X	Y
Signal @ -1G (mV)		
Signal @ 0G (mV)		
Signal @ +1G (mV)		
Cut off frequency (Hz) at -6 dB		

Cable: 5x26AWG FEP tinned copper braided (250V 200°C)  
Length: 1000 mm

Function	Description	Wire color
Supply	Supply	Red
	GND	Black
Analog output	Acceleration X	White
	Acceleration Y	Green
Not used	Do not connect and isolate	Yellow

Mechanical features		
Dimensions	32x42.5x12	mm
Material	Aluminium	
Weight (without cable)	20	g

Analog output		
Output voltage	0-5	V
Output impedance	50	Ω
Sink and source capability	20	mA
Signal at 0G	2.5	V
Sensitivity	20	mV/G

Operating conditions		
Max Supply Current (with 12V supply)	25	mA
Supply Voltage	6 to 30	V
Protection	IP66	
Vibration test	20Gpp 5'	
Operating Temp	-20 to +85	°C
Storage Temp	-40 to +125	°C

Accelerometer features		
Technology	GAS	
Range	±100	G
Analog filter	2 <sup>nd</sup> order	
Bandwidth [-6dB]	DC to 130 ±10%	Hz
Max offset error (20 to 80°C)	±0.3	%FS
Max sensitivity error (20 to 80°C)	±3	%
Max error (offset, repeatability, sensitivity, linearity)	±2	%FS
Max cross axis sensitivity	±5	%

