

ACCELERATION SENSORS

Acceleration is a physical quantity related to any event of motion, rotation, vibration and inclination. Monitoring accelerations is an optimal way to gather reliable information on working process. Generally these information cannot be easily obtained by other sensor systems.

This kind of information is useful to make reliable automatic control diagnostic and supervision systems.

Accelerometers are inertial sensors that supply proportional electrical signal to accelerations applied to the device in specific directions.

Signal analysis and calculations are performed internally by the sensor, not requiring then external additional modules or software. The application is therefore very simple.

IS = inclination sensor
VS = vibration sensor

Diameter of cylindrical types

X = rectangular plastic 25 x 50 x 10
G = rectangular aluminum 60 x 30 x 22

n° detection axes

VS	X	/	2	H	02	A	S	-0,3	PUR
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3 = M12 x 1 connector on board
6 = standard type cable output
H = M12 x 1 male connector wired on sensor cable (see page H-1)

Full scale measuring in g or inclination in degrees (±)

A = out 0 ÷ 5 V
B = out 0 ÷ 10 V
C = out 4 ÷ 20 mA
D = 2 alarm outputs

S = LED output status

Cable length

For Polyurethane cable add PUR