

INDUSTRIAL ACCELEROMETER FOR CONDITION MONITORING



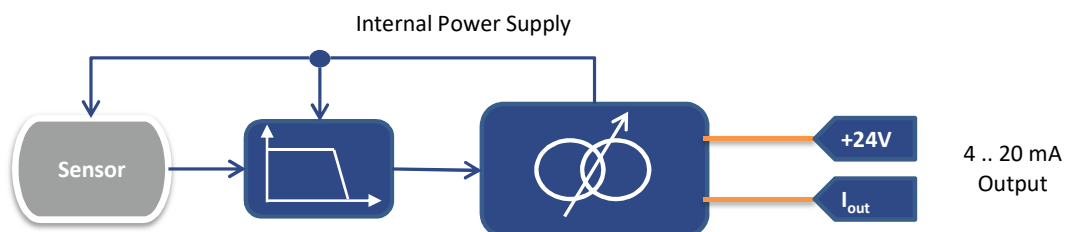
PROPERTIES

- Wide bandwidth (DC - 10kHz)
- Very low noise on entire bandwidth
- Suited for direct connection to standard control and measurement equipment, e.g. PLCs or panel meters
- Embedded 4..20mA signal conditioning
- Self-powered Current Loop
- Galvanically Isolated
- Protected against false polarization
- Compact and rugged design
- Protection grade IP67

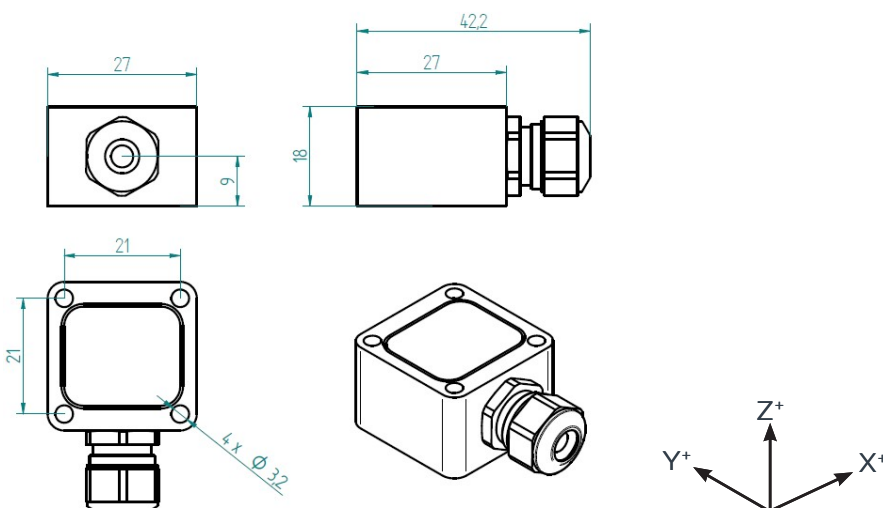
APPLICATIONS

- Evaluation of machine vibration (eg according to ISO10816)

BLOCK DIAGRAM



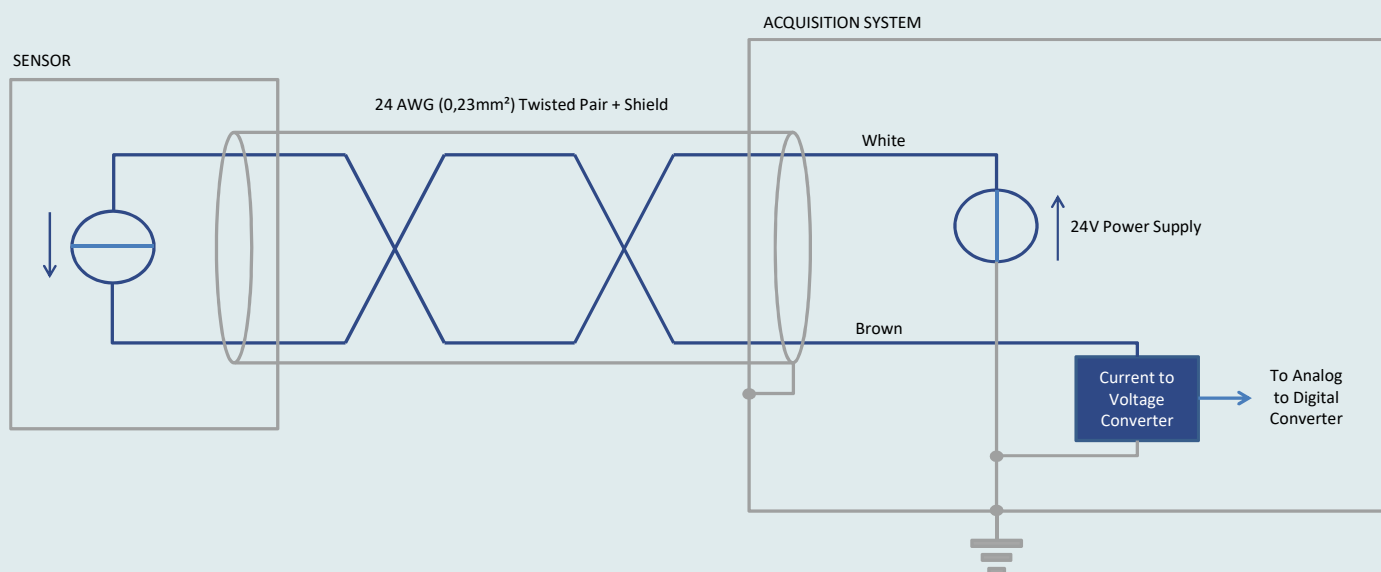
DIMENSIONS



SPECIFICATIONS

OUTPUT	Output Range	4..20mA	
	Supply voltage	12-30 V	
	Measuring Range	$\pm 25\text{g}$, $\pm 50\text{g}$ or $\pm 100\text{g}$	
	Sensibility	0.257 mA/g; 0.128mA/g ; 0.064 mA/g	
	Lower frequency limit	0 Hz (DC)	
	Max. Upper 3 dB frequency limit	10 kHz	
	Non-linearity	$\pm 0.5\%$ F.S.	
	Residual noise	$< 50\ \mu\text{g}/\sqrt{\text{Hz}}$	
	Transverse sensitivity	$< 5\%$	
Destruction limit	$\pm 5000\ \text{g}$		
ENVIRONMENTAL CHARACTERISTICS		Operating	Non-Operating
	Temperature range	-20..85 °C (-4..185°F)	-40..85°C (-40..167°F)
	Temperature coefficient of sensitivity	$\pm 0.05\%$ /°C	
	Temperature drift of zero point	$\pm 50\ \text{mg}/\text{°C}$	
Protection grade	IP67		
MECHANICAL DATA	Weight Without Cable	30gr (1 oz)	
	Case Material	Aluminium (MIL-A-8625 Type I coating)	
	Mounting	3.2 mm diameter holes (4x)	

ELECTRICAL CONNECTIONS



ORDERING INFORMATION

