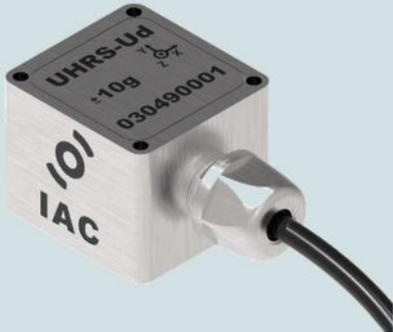


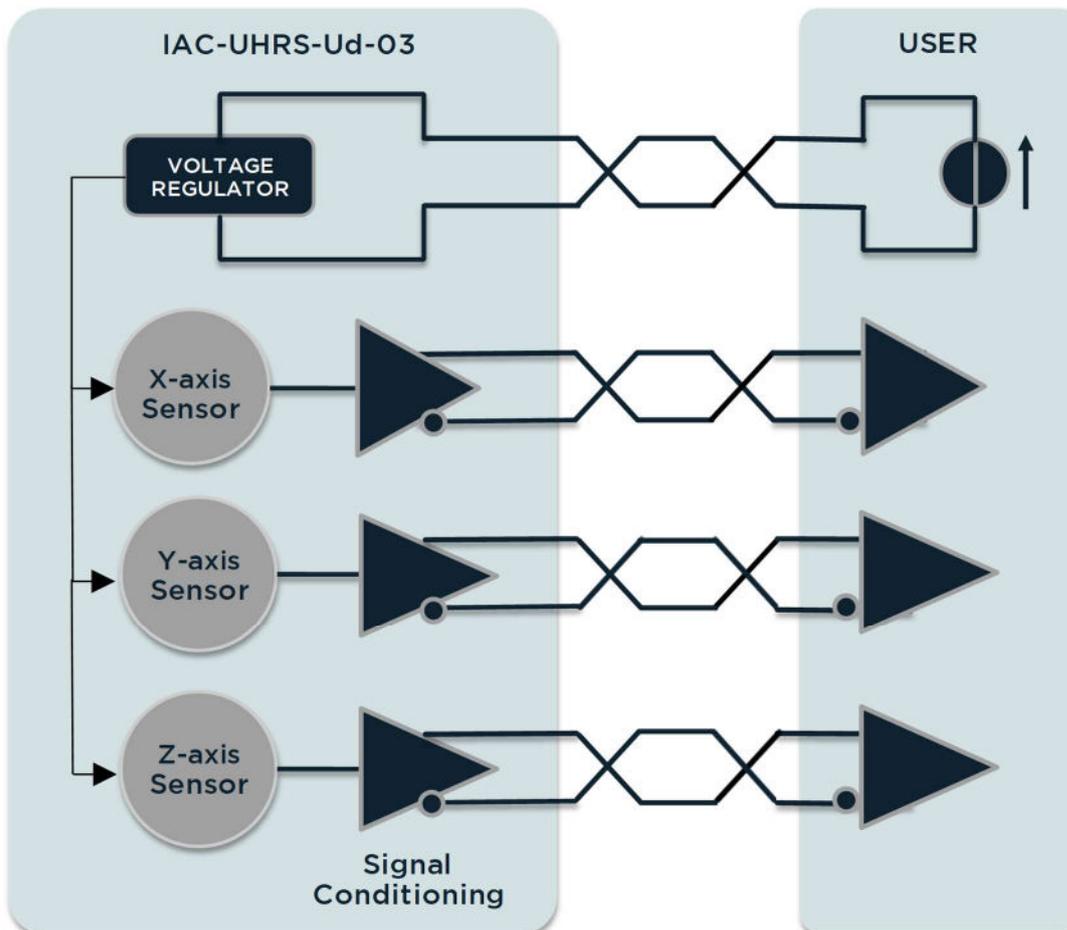
### SEISMIC ACCELEROMETER



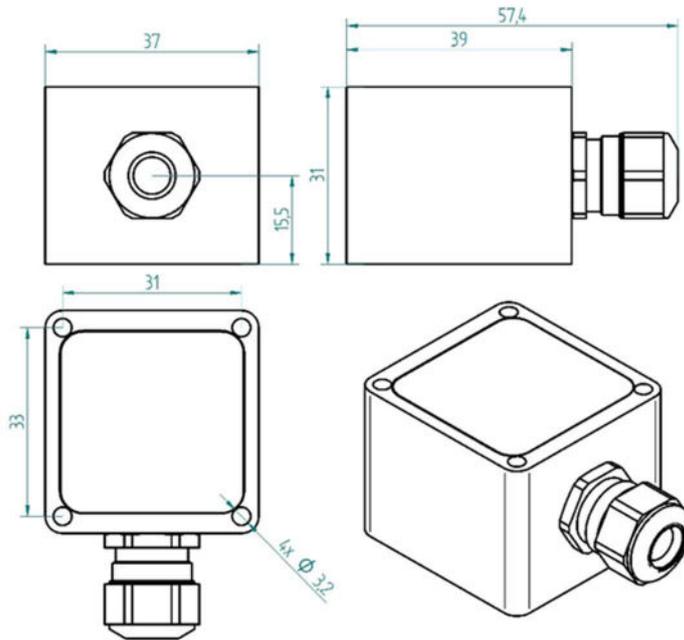
#### PROPERTIES

- Background noise as low as  $1\mu\text{g}/\sqrt{\text{Hz}}$
- 3-axis
- Amplified  $\pm 2.7\text{V}$  differential output
- Embedded signal conditioning
- Compact and rugged design
- IP67 ingress protection grade

#### BLOCK DIAGRAM



## DIMENSIONS



### NOTE

When mounted with sensing axis vertical all units will indicate 1g offset due to gravity.

## SPECIFICATIONS - ALL MODELS

<b>OUTPUT/ CHANNEL</b>	Output Range	±2.7 V	
	Supply Voltage	10-30 V	
	Lower frequency limit	0 Hz (DC)	
	Non-linearity	0.5% typ. - 1.5% max.	
	Sensitivity Error	2%	
	Transverse Sensitivity	2% typ. - 3% max.	
	Offset	±20 mg	
	Destruction limit	1000 g	
<b>ENVIRONMENTAL CHARACTERISTICS</b>	Temperature Range	Operating From -40 to 80 °C	Non-Operating From -55 to 85 °C
	Drift of sensitivity	150 ppm/°C	
	Drift of zero point	±0.5 mg/°C	
	Ingress protection grade	IP67	
<b>MECHANICAL DATA</b>	Weight Without Cable	100 gram (188 gram <sup>(1)</sup> )	
	Case Material <sup>(1)</sup>	Aluminium / Stainless Steel	
	Mounting	3.2 mm diameter holes (4x)	

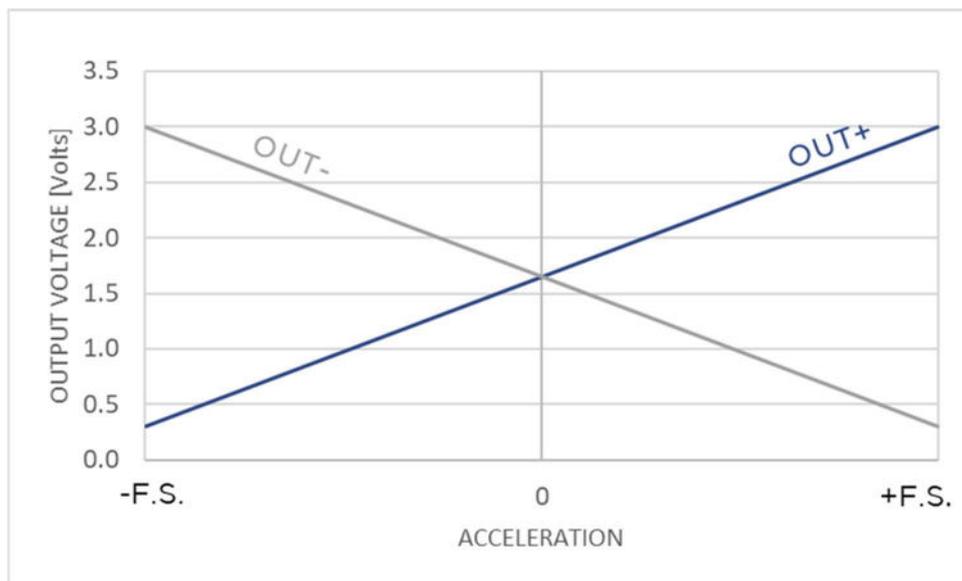
(1) Stainless Steel Casing and Cable Gland A4 / AISI316 Grade (e.g., for offshore/marine environment)

## PERFORMANCES - BY MODEL

<b>Range</b> (g)	<b>Sensitivity</b> (mV/g)	<b>Frequency Response (-3dB)</b> (Hz)	<b>Noise</b> ( $\mu\text{g}/\sqrt{\text{Hz}}$ )
$\pm 3$	900	0-500	1.0
$\pm 5$	540	0-650	1.5

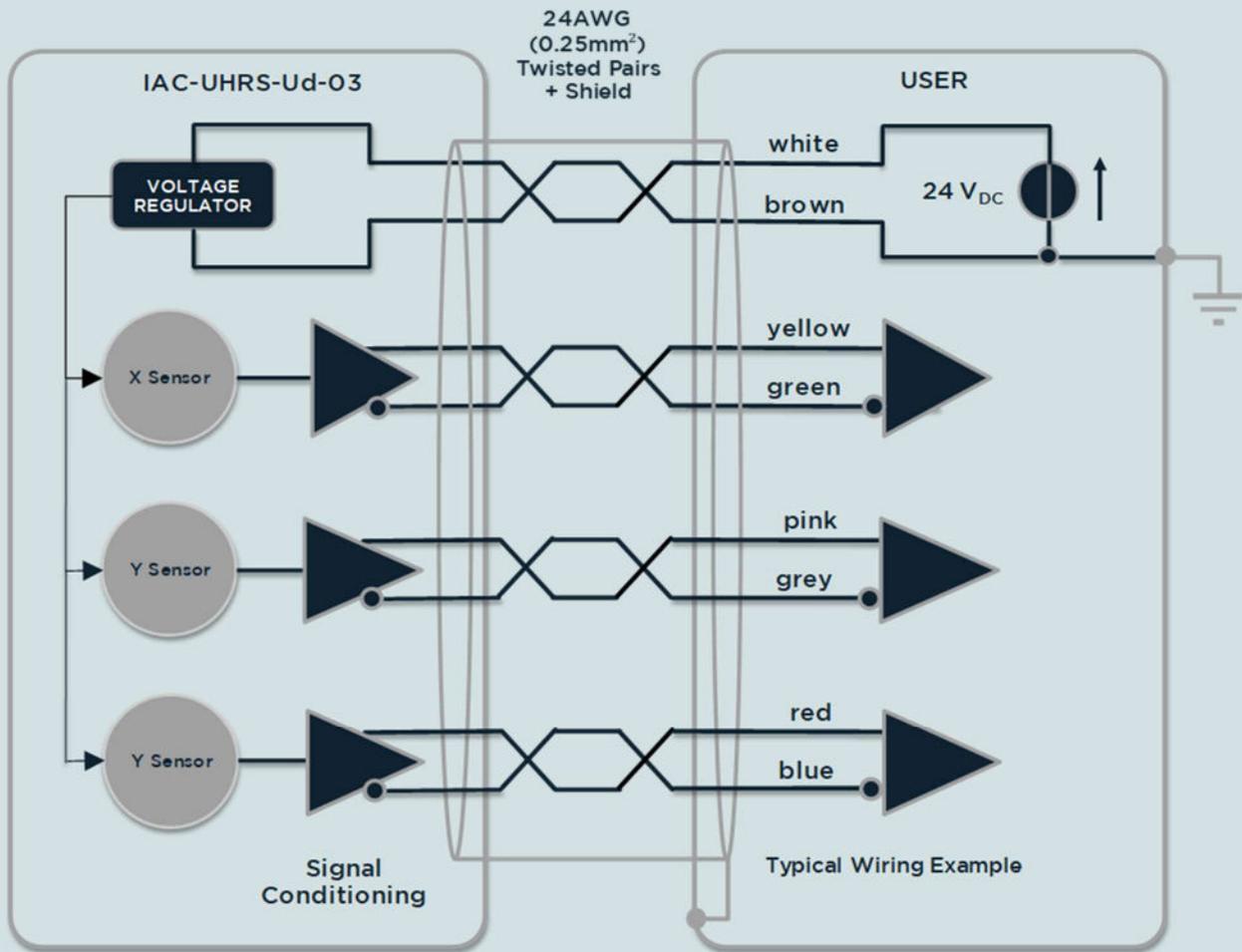
<sup>(1)</sup> Calibration data supplied with sensor

## ELECTRICAL RESPONSE



## ELECTRICAL CONNECTIONS

Signal (XYZ sensing)	4 x 2 x 0.14 <sup>2</sup>
Supply+	White
Supply-	Brown
x-axis+	Yellow
x-axis-	Green
y-axis+	Pink
y-axis-	Grey
z-axis+	Red
z-axis-	Blue



## ORDERING INFORMATION

