

**texense**  
world pro by TEXYS



# GYRN3 - S

## 3 axis gyroscope

**Range**  $\pm 50, \pm 100, \pm 150 \text{ }^\circ/\text{s}$   
**Accuracy** 2 % FS  
**Sensitivity** 40, 20, 13.3 mV/°/s  
**Cut off frequency** 40Hz

**Supply voltage** 5 to 16 V  
**Supply current** 16 mA  
**Output impedance** 47  $\Omega$   
**Linear analog output** 0 to 5 V  
**Output signal at 0°/sec** 2.5 V  
**Error at 0°/sec**  $\pm 1 \text{ }^\circ/\text{s}$   
**Cross axis sensitivity** 3 %

**Offset drift (20 to 80°C)**  $\pm 0.5 \text{ }^\circ/\text{s}$   
**Offset drift (20 to 100°C)**  $\pm 0.8 \text{ }^\circ/\text{s}$   
**Gain drift (20 to 80°C)**  $\pm 0.3 \text{ }%$   
**Gain drift (20 to 100°C)**  $\pm 1 \text{ }%$

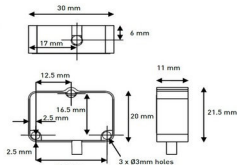
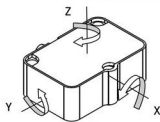
**Aluminium housing** 30x21.5x11 mm  
**Weight** 30 g  
**Protection** IP66

**Vibration test** 20 Gpp 5'  
**Shock** 1000 G

**Operating temp** -20 to +105°C  
**Storage temp** -40 to +125°C

**Red** Supply  
**Black** 0 V  
**White** Signal X  
**Green** Signal Y  
**Yellow** Signal Z  
**Blue** Diag (not to be connected)  
**Braid** Connected to case

1 m cable of 6X26AWG FEP  
 tinned copper braided cable 250V 200°C



Calibration table			
°/s	$\pm 50^\circ/\text{s}$ 40mV/°/s	$\pm 100^\circ/\text{s}$ 20mV/°/s	$\pm 150^\circ/\text{s}$ 13.3mV/°/s
-150			0.5
-100		0.5	1,17
-50	0.5	1.5	1,83
0	2.5	2.5	2.5
+50	4.5	3.5	3.17
+100		4.5	3,83
+150			4.5

Out of Range

Ordering ref ex: GYRN3-S-XA-YB-ZC

GYRN3-S-XRange-YRange-ZRange

Range			
A	B	C	N
50°/s	100°/s	150°/s	Not wired