



# FIBER OPTIC GYROSCOPE VG910D

DATASHEET

model 2008	RS 232/422 0.015 °/vh 0.8 Watt
series 1990	Dia 80 mm
technology 1990	Open-loop 40μ fiber Jointless




fundamentally  
1914

**FREE**  
of

- bias jumps
- $g, g^2$  errors
- dead zones
- cross axis errors
- day-to-day bias errors

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	Unit	Value	Comments
<b>MAIN PARAMETERS</b>			
Input range	°/s	250	for info
Transmission rate	kBd	115/920	RS 232/422 (repetition 1.2kHz/ 4.8kHz)
ARW	°/√h	0.015	white noise PSD
Bias, RMS	°/h	2	Allan variance min day-to-day
SF, RMS	%	0.02	day-to-day
Start-up	s	1	90% of SF
Powering	W	0.8	+5V
<b>PHYSICAL PARAMETERS</b>			
Dimensions	mm	82 x 82 x 20	ISO 2768-m tolerance
Weight	gram	120	approx.
Volume	cl	10	
Housing material		aluminum alloy	anodizing
Ingress protection class		IP67	
<b>ENVIRONMENT</b>			
Operating temperature	°C	-40...+70	
Endurance temperature	°C	-55...+85	> 2 h, non -operating
Vibration, RMS	g	12	20 Hz... 2000 Hz
Shocks	g	350	1 ms half-sine
<b>RELIABILITY</b>			
MTBF	h	100 000	humidity conditions applied
Lifetime	yr	15	humidity conditions applied

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