



# FIBER OPTIC GYROSCOPE

## VG103S / VG103SE



### PHYSICAL PARAMETERS

Dimensions	mm	Ø55 x 17	ISO 2768-m
Weight	gram	40	
Housing		plastic	IP67

\* With magnetic shield

### PERFORMANCE

Input range	°/s	400	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.02	white noise PSD
Bandwidth	kHz	1	2nd order LPF
SF, RMS	%	0.02	day-to-day
Magnetic response	°/h/Gauss	1 (0.03*)	typical

### ELECTRICAL INTERFACE

Start-up	s	0.03	
Powering	W	0.5	+5V

### ENVIRONMENT

Operating temperature	°C	-40...+70	
Endurance temperature	°C	-55...+85	> 2 h, non-operating
Vibration, RMS	g	<b>30 / 18</b>	20 Hz... 2000 Hz
Shocks	g	<b>1 200 / 750</b>	1 ms half-sine
		<b>3 000</b>	optional

### RELIABILITY

MTBF / Lifetime	yr	<b>15 / 10</b>	humidity conditions applied
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