



FIBER OPTIC GYROSCOPE

VG103D / VG103LND



PHYSICAL PARAMETERS

Dimensions	mm	63 x 63 x 22	ISO 2768-m
Weight	gram	60	
Housing		hard plastic	IP67

PERFORMANCE

Input range	°/s	350 / 170	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.02 / 0.01	white noise PSD
Bandwidth	kHz	0.3 1	RS 232 (default) RS 422
SF, RMS	%	0.02	day-to-day

ELECTRICAL INTERFACE

Data rate	kHz	1.2 4.8	RS 232 (default) RS 422
Initialization	s	1	
Powering	W	0.8	+5V

ENVIRONMENT

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

RELIABILITY

MTBF / Lifetime	yr	15	humidity conditions applied
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