

FIBER OPTIC GYROSCOPE

VG103D / VG103LND



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	RS 232 (default)
		1	RS 422
SF, RMS	%	0.02	day-to-day

ELECTRICAL INTERFACE

Initialization	s	1	
Powering	W	0.8	+5V
Data rate	kHz	1.2	default, 24-bit data
		4.8	24-bit data
Baud rate	kBd	115.2	RS 232 (default), asynchronous
		921.6	RS 422, asynchronous

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

PHYSICAL PARAMETERS

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

RELIABILITY

MTBF / Lifetime	yr	15	humidity conditions applied
-----------------	----	----	-----------------------------

fizoptika.com

Datasheet

May 2023

Fizoptika Malta reserves the right to change the design or specifications at any time without prior notice. All pictures shown are for illustration purpose only. The actual product may vary due to the ongoing product enhancement.