

 10 ml SERIES

FIBER OPTIC GYROSCOPE

VG221 / VG221PE



PROVISIONAL DATASHEET

PHYSICAL PARAMETERS			
Dimensions	mm	Ø33 x 12 (Ø1.3" x 0.5")	ISO 2768-m
Volume	cl	1 (1/3 oz)	
Weight	gram	17 / 15	
Housing		Al alloy / Al alloy & plastic	

PERFORMANCE			
Input range	°/s	300 / 400	for info
Bias, RMS	°/h	3	Allan variance min
ARW	°/√h	0.02 / 0.04	white noise PSD
Bandwidth	kHz	1	2nd order LPF
SF, RMS	%	0.03	day-to-day
Magnetic response	°/h/Gauss	4	typical (non-shielded)

ELECTRICAL INTERFACE			
Start-up	s	0.05	
Powering	W	0.5 / 0.3	+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 / 750	3 ms half-sine

RELIABILITY			
MTBF	h	70 000 / 150 000	humidity conditions applied
Lifetime	yr	15	humidity conditions applied