

Pegasus-I Unit Technical Data Sheet

Parameter	Value(s)	Units
Acceleration measurement range (minimum)	±5	g
Acceleration resolution	3	milli-g
Acceleration noise ²	2	milli-g
Acceleration non-linearity	0.1	% full-scale
Rotation measurement range (minimum)	±1200	°/sec
Rotation resolution	0.54	°/sec
Rotation noise	0.5	°/sec
Rotation non-linearity	0.1	% full-scale
Cross-axis coupling	2	%
Sample rate (max)	100	samples/sec
Relative timing drift after synchronization ³	<30	msec/hour
Dimension (l x w x h)	73 x 36 x 19	mm
Weight	54	gram
Operating temperature range	-10 to +60	°C
Full specification temperature range	+10 to +40	°C
Storage temperature range ⁴	-25 to +70	°C
<p>Notes</p> <p>1) All parameters typical figures measured at 25°C and 100Hz sample rate unless otherwise stated.</p> <p>2) The root-mean-squared fluctuation on a large set of readings on a stationary unit.</p> <p>3) Applies to multiple units at a common temperature, following a synchronization pulse.</p> <p>4) Limited by the ABS enclosure: electronic components -40 to +125°C.</p>		

For more information please email: sales@etb.co.uk