

ER-203 is a high accuracy dual -axis inclinometer, according to measuring the static acceleration of gravity change, concerted to angle change . Measuring output of sensor relative to the horizontal plane tilt and pitch angle.

The fastest angle response speed of ER-203 is 5 times/sec. Product has 5 order filter, user can set up based on their needs, balancing selection precision of Angle and tilt Angle's relationship of response speed.



Specification :

Parameter	Performance	Unit
Response speed	1~5	Hz
Measurement range	$\pm 5^{\circ} \sim \pm 30^{\circ}$	o
Resolution	± 0.0001	o
Accuracy(< $\pm 5^{\circ}$)	0.001	o
Accuracy(< $\pm 15^{\circ}$)	0.003	o
Accuracy(< $\pm 30^{\circ}$)	0.005	o
Nonlinearity	± 0.4	%
Zero point repeatability	± 0.002	o

Temperature drift (-40°~ +70°)	±0.02	°/°C
Operating voltage	8~15	V
Operating voltage	116~136	MA
Operating temperature	-40~+80	°C
Serial data format	9600, n, 8, 1	BPS*