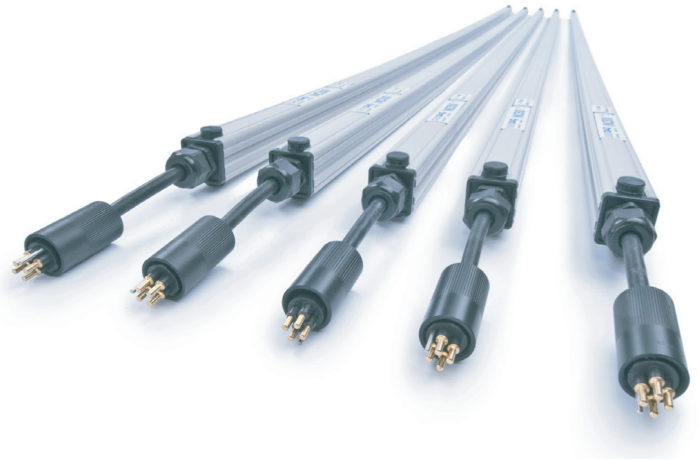


i6 Series In-Place Inclinometer

The i6 in-place inclinometer combines 0.001 degree MEMS sensor performance with adjustable sensor spacing for a cost effective monitoring system capable of measuring vertical or horizontal movements like slopes, excavations, embankments, landslides, and pile foundations. The i6 system integrates a digital network of closely spaced MEMS sensors using very low drift electronic circuitry with 24-bit resolution. New design features include the choice of three different MEMS sensors with varying degrees of sensor resolution and adjustable sensor spacing to provide various accuracy and cost options. Our patented centralizer allows for installation into standard 2.75-inch inclinometer casing and provides stabilized positioning in all directions via four stainless steel wheel assemblies. Complete displacement profiles are delivered to a PC computers or servers via wireless modems or Ethernet. Our new Simple Server software allows wireless data transfer from the field to any office PC computer. Our web based data delivery service provides a complete real-time monitoring solution delivering displacement profiles to any web-browser using password protection and secure-shell data transfer. The i6 offers many distinct features that make it an attractive alternative or replacement for traditional borehole inclinometer type systems.



Technical Features

- ✓ Adjustable sensor spacing for increased cost flexibility
- ✓ Patented centralizers allow installation into standard 2.75 inch (70 mm) casing
- ✓ Provides remote data collection to office PC computer with new Simple Server software
- ✓ Three MEMS sensor options with resolutions as low as 0.001 degrees
- ✓ Provides continuous monitoring for automated early warning notification

STANDARD i6 INCLINOMETER MODELS

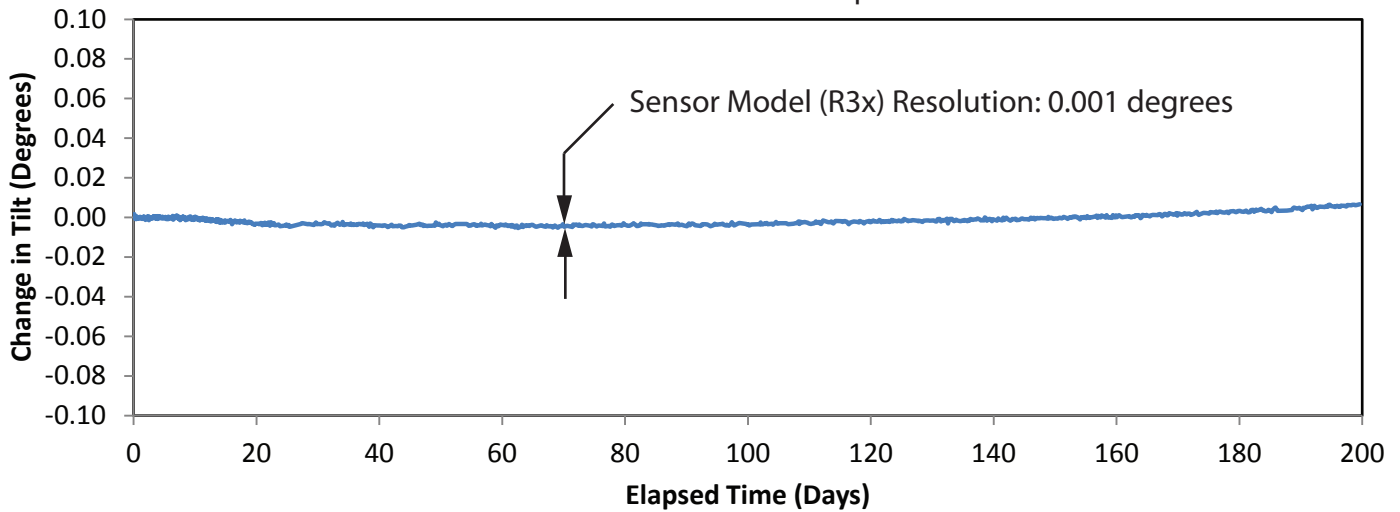
Model	Sensors per Module	Sensor Spacing	Range	Resolution
R38	8	12-inches	+/-15 degrees	0.001 degrees
R34	4	24-inches	+/-15 degrees	0.001 degrees
R28	8	12-inches	+/-30 degrees	0.004 degrees
R24	4	24-inches	+/-30 degrees	0.004 degrees
R18	8	12-inches	+/-90 degrees	0.04 degrees
R14	4	24-inches	+/-90 degrees	0.04 degrees

Note: custom sensor spacing options available

i6 INCLINOMETER SPECIFICATIONS

Parameter	MIN	TYP	MAX	UNIT
AtoD Resolution		24		Bits
Sensor Resolution (R3x) (R2x) (R1x)		0.001 0.004 0.02		Degrees
Sensor Range (R3x) (R2x) (R1x)	-15 -30 -90		+15 +30 +90	Degrees
Current Consumption		100		mA
Temperature Coefficient		< 0.005		Degrees/C
Power Supply	6		12	V (DC)
Module Length		96		inches
Module Width		1.12		inches
Module Height		1.15		inches
Module Weight		5		lbs.

Field Performance Results for i6 Inclinator Sensor
1120 Readings Over a Period of 200 Days
Sensor Located at Stable Depth Zone



We believe all information contained herein to be correct as of the time of printing. Geodaq reserves the right, however, to change any specification without notice, and will not be held responsible for any errors.