



TOIP Pty
Ltd
Telemetry Over Internet Protocols

SDI-12 Compass - Inclination Sensor

The CS1 is an electronic Compass and Inclination sensor with an SDI-12 interface. The sensor measures heading, roll angle and pitch angle. The CS1 is ideally suited to monitoring the position of Centre Pivot Irrigators, but may also be fixed to flood gates, irrigation control gates and other moving structures.

CS1 Compass and Inclinator

The CS1 is built into a polycarbonate enclosure which can be mounted on the equipment to be monitored. For temporary use the CS1 can be fixed with cable ties or for permanent mounting an aluminium bracket may be fitted to the holes on the back of the enclosure. Orientation marks are provided to allow installers to line up the unit along the correct axes.

Parameter	Specification
Power Supply	6 to 16 V DC Idle Current < 40 uA
Heading	
Accuracy	1 degree
Resolution	0.01 degree
Measuring Range	0 to 360 °
Pitch	
Accuracy	1 degree
Resolution	0.01 degree
Measuring Range	-90 to +90 °
Roll	
Accuracy	1 degree
Resolution	0.01 degree
Measuring Range	-90 to +90 °
Dimensions	60 x 50 x 35 mm Weight 80g



Ordering

CS1 SDI-12 Compass and Inclination sensor

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