canfield connector

New Canfield Connector Inclinometer Sensor Enhances Measurement Accuracy, Safety

Youngstown, Ohio (April, 2019) - Canfield Connector has released a new series of electrical sensors that provide efficiency and accuracy to angle measurement in heavy equipment, solar power, construction and other applications.



The new Electrical Inclinometer Sensor or (EiS) series instruments measure the slope, tilt or elevation of an object with respect to gravity by using intelligence to create an artificial horizon.

“This sensor is valuable for safety and energy applications, as well as any other environment where incline has to be precisely measured or governed,” said Todd Harmon, vice president of Canfield Industries. “Tilt sensors and inclinometers are often used in cameras, aircraft flight controls, automobile security systems, platform leveling systems and boom angle indication devices.”

Designed and manufactured in Youngstown, Ohio, each inclinometer passes through a rigorous and extensive testing process. These inclinometers are available in versions that measure one or two axes of incline and can report angles within 0.3° of accuracy.

Some common uses for inclinometers include:

- Adjusting the optimal angle for solar panels
- Alerting equipment operators if a vehicle or machine may tip over
- Measuring movements in walls or the ground in civil engineering projects
- Measuring the angle of drilling in well logging
- Measuring range of motion in the joints of the body