

NEW PRODUCT RELEASE



Piher Sensing Systems's wire mount open loop hall effect current sensor simplifies installation

Tudela, Spain - September 4, 2023 - Piher Sensing Systems, a leading provider of sensor solutions, announced the introduction of its new HCSO-1W open loop current sensor. The HCSO-1W is a high-accuracy sensor that is ideal for measuring AC and DC currents in battery management systems, industrial battery chargers and motor control applications.

Installing the sensor directly on the current-carrying conductor, without the need for additional hardware simplifies the installation process and reduces the risk of errors and downtime.

The HCSO-1W multirange transducer is based on Hall effect technology and generates a ratiometric analog output voltage signal proportional to the current flowing through the conductor. The sensor is available in a variety of current ranges and features a cable-mounting option for easy installation.

It can measure currents from ± 25 A to ± 1000 A in cables with diameter section up to 22,5 mm. The sensor is easy to install and calibrate, making it a cost-effective choice for OEMs and Tier 1 suppliers.

Piher's Current Transducers have TMR and Hall-Effect current sensing capabilities rated up to 4kA. They exhibit better than $\pm 3\%$ (hall-effect version) and $\pm 1\%$ (TMR version) accuracy. The advanced non-linear temperature compensation mechanisms these sensors possess ensure that their accuracy is not affected by external temperature fluctuations.

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All models can be tailored to customer's needs.

For information on product availability or any other related questions, please contact: info@piher.net

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About Amphenol

Amphenol Corporation is one of the world's largest designers, manufacturers and marketers of electrical, electronic and fiber optic connectors and interconnect systems, antennas, sensors and sensor-based products and coaxial and high-speed specialty cable. Amphenol designs, manufactures and assembles its products at facilities in the Americas, Europe, Asia, Australia and Africa and sells its products through its own global sales force, independent representatives and a global network of electronics distributors. Amphenol has a diversified presence as a leader in high-growth areas of the interconnect market including: Automotive, Broadband Communications, Commercial Aerospace, Industrial, Information Technology and Data Communications, Military, Mobile Devices and Mobile Networks. For more information, visit www.amphenol.com

About Piher Sensing Systems

Piher Sensing Systems are experts in contactless and contacting sensor technologies for position, tilt, speed and current measurement. Leveraging over 70 years of experience and the capability to move seamlessly from prototyping to true high-volume production, makes Piher Sensing Systems a trusted partner for customers in automotive, off-road, industrial, appliance, medical and marine markets throughout the world.

LINKS:

[HCSO-1W](#)

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