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www.actisense.com

Connect and protect with the new Actisense USG-1-485

Actisense, the leading brand from Active Research, based in Poole, Dorset, has introduced an inventive new product to its range of NMEA interfaces.

The Actisense USG-1-485 interface is an easy, safe and low cost method of connecting an industry standard RS485 / IEC 61162-2 half-duplex system to a USB equipped PC. The USG-1-485 creates a virtual serial port that allows connection to an RS485 industrial bus link whilst providing protection for the PC.

The unique Actisense opto-isolated ISO-Drive provides a galvanically isolated output that can 'float' safely up to 1500 VDC from ground, making an installation free from ground loops, substantially reducing the risk of damage and hazards in connected equipment. The advanced circuitry is 100% compatible with industrial RS485 ports.

The USG-1 is ideal for providing complete isolation of PC hardware when connecting to an RS485 bus that may have picked up potentially hazardous voltages around the 'electrically noisy' environment of a vessel or factory. Installation is simple due to the isolation of the PC ground from the RS485 data network ground, overcoming the main cause of data errors and safety hazards in serial communications installations.

The interface takes all necessary power from the USB port, removing the need for an external power supply. Simple installation using 'plug and play' USB drivers supplied on CD allows the PC to start sending and receiving data to the RS485 half-duplex data network within minutes of installation.

Phil Whitehurst, Managing Director, Active Research said, "The RS485 version of the USG-1 is a great addition to our interface range, and will help a wide range of customers solve connection problems quickly and reliably."



Press Release

ActisenseTM

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or sales@actisense.com. Background on Active Research Limited and Actisense follows overleaf....



Notes to Editor

Active Research, Dorset, UK, was founded in 1997 to design innovative and reliable marine electronic equipment. We developed the first smart depth sensor, which is now marketed through Airmar Technology Corporation. Active Research has been instrumental in designing products for many marine electronic companies, with many thousands of products on the market showing off the company's design expertise.

The "Actisense" brand name was created in 2001 to help promote the company's growing range of marine interconnection devices and smart sensors. A range of products has now been designed and is being actively marketed with the aim of becoming a leader in the interconnection and sensor market segment.

Active Research has now shipped over 80,000 products, and is fast becoming a well known high quality brand of marine interfacing equipment, Actisense will continue to release a wide range of marine products to the market over the next year, and will be pursuing greater recognition through advertising, press releases and representation at marine trade shows.

Based on the south coast of England in Poole, Active Research Limited employs three full time engineers, giving a very high investment in R & D, with over 40% of revenues being spent on new product development each year.

Active Research is a member of both the BMF and the NMEA.

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