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**World-first Type Approved multiplexer with NMEA 2000 among new products launched by Actisense**

Actisense, the marine electronics and NMEA specialists based in Poole, UK, have unveiled two new products aimed at solving some of the critical onboard connectivity challenges faced by boaters and technical installers.

The PRO-NDC-1E2K is a next-generation multiplexer, which features five NMEA 0183 inputs and two isolated outputs. This new version also packs the power of NMEA 0183 to NMEA 2000 conversion with both protocols able to stream at high speed over ethernet, made possible thanks to the copper ethernet connection.

The PRO-NDC-1E2K has been developed to solve many of the interconnectivity challenges faced onboard, enabling high-speed data transfer for GPS, AIS, Autopilot and other onboard devices whilst simultaneously overcoming bandwidth limitations. Default configurations, flexible configuration on the go, auto-switching and sentence level filtering allow for efficient management and greater control of instrument data. Ideal for those who want to retain legacy equipment but also connect with modern NMEA 2000 systems.

The product has been Type Approved by RINA, making it the world’s first type approved multiplexer featuring three connectivity protocols: NMEA 0183, NMEA 2000 and ethernet.

Actisense CEO, Phil Whitehurst, commented:

“*Customers have been using our multiplexers and NMEA 2000 gateways for many years. Now, for the first time, customers can seamlessly stream data over high speed ethernet, no matter whether NMEA 0183 or NMEA 2000 data. Add the fact that this is the first such device with all three protocols that is also Type Approved, and you have a powerful solution to suit vessels of different classes with ease.*”

In addition to the PRO-NDC-1E2K, Actisense have also released a new NMEA 2000 Wi-Fi gateway, WGX-1. This multi-functional gateway provides seamless connection between NMEA 0183 and NMEA 2000 bidirectionally, as well as the ability to cast both protocols over Wi-Fi. There is a data transfer mode as well as an SD card slot to allow for extensive data logging.

Mr Whitehurst added:

“*Being able to stream both NMEA 0183 and NMEA 2000 over Wi-Fi means that irrespective of which industry mobile application you want to use, you will have the data you need in the format that you need it. There is also the great benefit of being able to configure your NMEA 2000 gateway wirelessly over a webpage, meaning the ability to do that without removing the gateway from the network. The WGX-1 packs so many features into this tiny box, we think it is the best value NMEA gateway you’ll find!*”

Both products also come loaded with *Actisense-i*, the smart NMEA diagnostic suite from Actisense.

Both products were initially previewed at METSTRADE and are now available for purchase through their global distribution partners.

For more information about the full Actisense range of NMEA connectivity solutions, visit [www.actisense.com](http://www.actisense.com).

**– ENDS –**

To interview Phil Whitehurst or to find out more please contact [justin.cohen@actisense.com](mailto:justin.cohen@actisense.com).

**Editors Notes:**

Actisense are NMEA specialists, based in Poole, United Kingdom, and were formed by Phil Whitehurst, a Chartered Electronics Engineer and established in 1997. Actisense has been creating intelligent marine electronic products that have seen them become recognised for their reliability both nationally and internationally. They are now exported to over 80 distributors in 50 countries worldwide.