

Actisense PC-Opto-3A Opto isolator

The Actisense™ OPTO-3 cable is an easy, safe and low-cost method of connecting an NMEA system to a laptop PC (and any other device with a standard RS232 9-pin port). Whilst protecting the most vital and expensive devices in the NMEA system, it also converts from the PC standard RS232 9-pin serial communications port to an NMEA 0183 (RS422) marine bus link.

In addition, the OPTO-3 cable and plug-case are fully shielded to offer a complete solution for system builders that require all components to be shielded (particularly in noisy and/or commercial environments).

The OPTO-3 cable is a bi-directional NMEA 0183 (RS422) to RS232 interface cable, that utilises full galvanic opto-isolation to protect the PC input, and "tranzorb" protection for the PC output. This provides comprehensive isolation of expensive PC hardware when connecting to an NMEA 0183 bus that may have picked up potentially hazardous voltages around the electrically noisy environment of a vessel.

No external power supply is required as the cable takes all necessary power from the RS232/PC port. Simple installation requires wiring the open end to the NMEA bus, and plugging the D-type connector into the PC, to start receiving the NMEA data - true plug'n'play functionality.

- 1 x HS+ Opto Input
- 1 x HS+ NMEA Output (directly connected to PC, but tranzorb spike protected)
- Up to 115200 baud
- Self powered - takes power from PC port
- Shielded cable