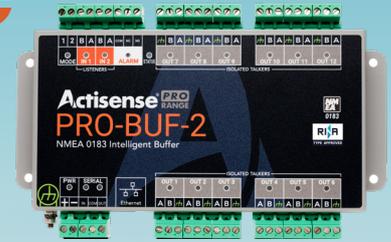


# Actisense<sup>®</sup>

# PRO-BUF-2

## Professional NMEA 0183 Intelligent Buffer



### Feature

### Advantage

### Benefit

- 2 Opto-isolated inputs

- ✓ Two Listener inputs offer buffering, autoswitching or combining options

- ✓ Flexible installation options

- 12 ISO-Drive outputs

- ✓ Distributes data to each Listener on-board a large vessel. Each ISO-Drive output protects against ground loops

- ✓ ISO-Drive separates the Listener from the Talker to protect both the PRO-BUF and each connected device.

- Bi-directional isolated serial port (optional input/output)

- ✓ High (115200) baud rate supported. Standard RS232 serial port compatible

- ✓ Fast bi-directional data connection to a monitor and software

- Ethernet Port

- ✓ Ethernet data link for easy configuration of the PRO-BUF

- ✓ PRO-BUF can be configured using any web browser on any Operating system

- Automatic Baud Rate matching on inputs

- ✓ Device will automatically adjust to the baud rate of the connected Talker

- ✓ Allows the PRO-BUF to work out of the box without configuration

- Flexible operating modes

- ✓ Both factory default and user defined operating modes can be selected to buffer, autoswitch or combine data

- ✓ Allows PRO-BUF to work out-of-the-box without configuration for basic installations, or can be easily user configured as required

- Alarm output options

- ✓ Relay output and NMEA sentence output can be configured to trigger under various alarm conditions

- ✓ Relay output is compatible with on-board alarm systems and an MFD

- Web based configuration tool

- ✓ Not OS specific, supported by all popular web browsers

- ✓ Easy to access via network, doesn't require the device to be moved or have a serial connection to the PC.

- Diagnostic LEDs

- ✓ Visible indication of current state on each input and output

- ✓ Quick visual check gives the user confidence that each input and output is passing data

- Advanced Data Filtering and Routing

- ✓ Gives the user or installer greater control of the data

- ✓ Features can be utilised to fine tune data, avoiding data overloads on the outputs and connected listeners

- 2 virtual Autoswitch modules

- ✓ 2 independent Autoswitch channels which can be assigned to each output

- ✓ Automatic data priority selection between two devices of the same type of data (e.g. GPS)

- Data statistics and load indication via web tool

- ✓ Provides a real time view of how much data is present for each input and output

- ✓ Shows the NMEA 0183 on each I/O Port, and how frequently it arrives, great for low level diagnostics

- Designed for 12 / 24 Volt supply

- ✓ Can be powered from any standard DC power supply found on vessels

- ✓ Works on large vessel 24V DC power supplies systems

- Future proofing with easily upgradable firmware

- ✓ Gives the user or installer access to future updates

- ✓ Future updates are installed via a simple process with Actisense Toolkit using Ethernet

- Two part-pluggable connector system

- ✓ Quick installation of cables and reconnection between inputs / outputs

- ✓ Fast installations and supports both screw and screwless terminal types. Ideal for quick diagnostic swapping

- Stainless Steel Housing with DIN rail mount option

- ✓ Sturdy construction providing optimal corrosion resistance and RF shielding

- ✓ Increased durability, ease of installation and high performance

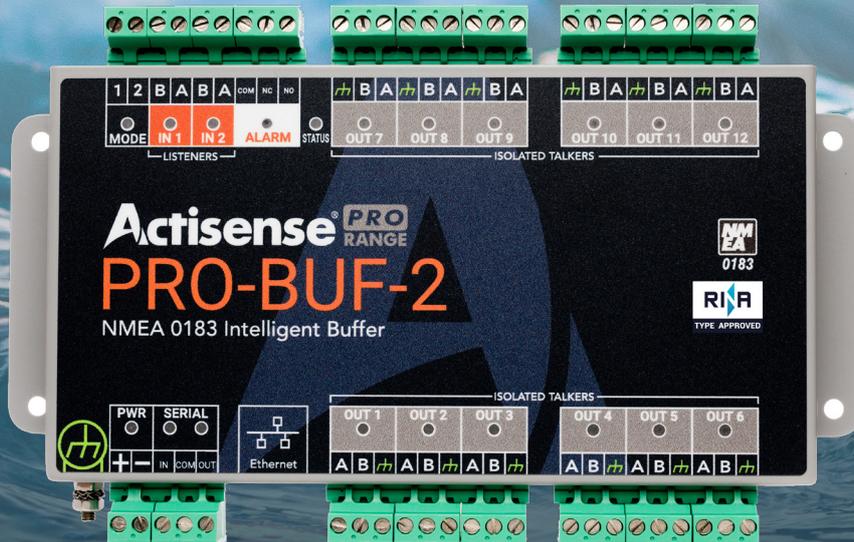
- Type Approved

- ✓ Certified to unified requirements of IACS E10 / IEC 60945

- ✓ Can be installed on vessels governed by Class Society Rules

## PRO-BUF-2

Intelligent Type Approved NMEA Buffer



The PRO-BUF-2 is a Type Approved, rugged intelligent NMEA buffer, in a stainless steel housing, and provides isolation on all inputs and outputs.

With two NMEA 0183 inputs, twelve NMEA 0183 outputs, a bi-directional serial port and an Ethernet port, the PRO-BUF-2 is a perfect solution for larger leisure vessels as well as commercial vessels, and is a great addition for systems that require type-approved devices.

The PRO-BUF-2 is designed to suit the majority of NMEA 0183 systems and is ready to go 'out of the box' by simply hard-wiring the two-mode inputs as required.

The Intelligent NMEA 0183 Buffer manually configurable basic modes of operation include variations of buffer modes, intelligent auto-switch, and combine modes.

For all other configurations, leaving the mode inputs floating selects the 'User Configuration Mode'. The web-based configuration tool allows full customisation of the PRO-BUF-2, and is compatible across all popular Operating Systems. Using the web-based configuration tool allows for fine-tuning of the data available on each output.

To make installation quick and simple the PRO-BUF-2 features 2-part pluggable connectors that allow use of screw terminals\*, The PRO-BUF-2 is designed to be mounted on a bulkhead or alternatively it can be mounted on a DIN Rail using the optional brackets. An optional Strain Relief Bracket is available to secure cables if necessary.

Helpful LEDs indicate power, data in, data out, and the alarm status to aid diagnostics.

Data statistics and load indication via the web tool provide a real-time view of data.

Part number: PRO-BUF-2