

Adaptable and robust, easy to install and operate, the **VERIPOS LD2** is an outstandingly effective and flexible unit.

The LD2 is designed to achieve our product philosophy, which is standardised, upgradeable hardware with maximum flexibility whilst simple to operate and maintain. The LD2 is available in a number of configurations from basic satellite receiver to a fully integrated mobile positioning unit with demodulator and multi-frequency GNSS receiver. The unit can be upgraded to different configurations as required.

Functionally the LD2 can be used in a virtual 'black box' mode to generate any VERIPOS proprietary position solution, depending upon which data services are enabled. Additionally, it can be used as a sensor that outputs received data and GNSS measurements to external processing or quality control software such as VERIPOS' Verify QC suite.

A small LCD display and keypad allow for quick and easy user setup and in addition to calculating position the LD2 is able to output all received data in standard formats such as RTCM. The LD2 is exceptionally flexible and operating status can be determined through the LED indicators or LCD display. For more comprehensive status indication a monitor can be connected directly to the unit, for use with the Verify DP software application which provides a real-time graphical representation of position and status information.

The LD2 uses VERIPOS high-power satellite transmissions. With high-power services a compact high-gain omni-direction antenna is recommended. Alternatively a suitable stabilised dish antenna, such as that used on vessels for communicating via Inmarsat, can be utilised. A special interfacing kit can be supplied in this case.

Robust, and easy to install and operate, the VERIPOS LD2 is an outstandingly effective and flexible unit that ensures reliable reception of VERIPOS services, as well as producing superior positioning from metre to decimetre level accuracy.



Precise Satellite Positioning Services

Physical characteristics

Receiver size: 1U rack mountable x 32cm depth

Weight: 5kg

Display: 2 line x 20 character back-lit LCD display

Operating temp: -15 to 55 degrees Celsius

Input voltage: 90 to 265V AC

Consumption: 20W

PC/104 board

500 MHz Geode processor,

256Mb SDRAM, 8Gb Flash

Data ports and interfaces

6 RS232 ports: RTCM Out Primary, RTCM Out Secondary, NMEA Out/ External RTCM In, GPS I/O, Remote Control I/O, Message Out

Connections for optional ext mouse, keyboard and VGA monitor.

VERIPOS L-band demodulator

Frequency input 1525 to 1559 MHz

Data rates 600, 1200, 2400 and 4800 bps

Acquisition time from switch on typically <20 seconds

GNSS options

Topcon Euro 112T GPS L1 + L2 + Glonass. 1PPS

MF receiver

Hemisphere SBX-4 MF receiver

Dual channel receiver for reception of MF Beacon services (e.g. IALA)

Regulatory and environmental

CE Marking Directive 93/68/EEC

Marine Equipment Directive, EN60945:2002

(Protected Equipment)

** Specifications subject to change without notice*



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