UrsaNav® UN-152A / UN-152B Receivers

GENERAL OVERVIEW

As the global solutions experts for Low Frequency (LF) Positioning, Navigation, Timing, Frequency, and Data technology, UrsaNav® has you covered from transmission to reception. Our reception equipment includes the most innovative LF receiver technology on the market, and is offered in two User Equipment (UE) variants: the UN-152A and the UN-152B. These receivers use the latest version of the UrsaNav® UN-151 eLoran Receiver Module. Both versions provide precise time, frequency, and data channel demodulation from Loran-C or eLoran systems. They feature a serial port, a GPIO port, and both 1 PPS and 10 MHz inputs and outputs. The receivers are capable of processing Chayka and other low or medium frequency sources (e.g., WWVB, WWVH, DCF77, R4, and MSF).

UN-152 A eLoran Receiver (Small Form Factor)

UN-152 B eLoran Receiver (19" Rack Mount)

PRODUCT HIGHLIGHT

These receivers meet the stringent European Telecommunications Standards Institute (ETSI) requirements for Primary Reference Standards, Stratum-I frequency requirements, and provide traceability of time to within nanoseconds of UTC. Built-in futureproofing ensures the ability to track next generation LF signals that use advanced waveforms and modulation techniques.

KEY FEATURES

- Nanosecond-accurate UTC traceability and Stratum-I frequency stability
- Configurable I/O including serial, GPIO, 1PPS, and 10 MHz inputs/outputs
- Meets ETSI Primary Reference Clock and other international compliance standards

SPECIFICATIONS

	UN-152A	UN-152B
POWER SOURCE	5 VDC INPUT	100–240 VAC INPUT
COMPATABILITY	LORAN-C, LORAN-D, ELORAN, CHAYKA	LORAN-C, LORAN-D, ELORAN, CHAYKA
SIZE	23 X 10 X 5 CM 9 X 3.9 X 2 IN	20.3 X 42.5 X 4.4 CM 8 X 16.75 X 1.75 IN
LORAN DATA CHANNEL (LDC)	EUROFIX, 9TH AND 10TH PULSE	EUROFIX, 9TH AND 10TH PULSE
INPUTS/ OUTPUTS	1 PPS, 10 MHZ	1 PPS, 10 MHZ
CONNECTIVITY	SERIAL	SERIAL