

BALI v3

**NEW
VERSION**

Bathymetry made Light and simple



Portable and easy-to-use

- Quick to set up
- One surveyor can operate it



Professional Single and Dual Frequency Sounding

- Ideal for inland waters and coastal survey
- Can be upgraded from single to dual frequency



Affordable

- All-in-one cost effective GNSS RTK, SBES, modems & software system
- No training needed

WHAT'S NEW

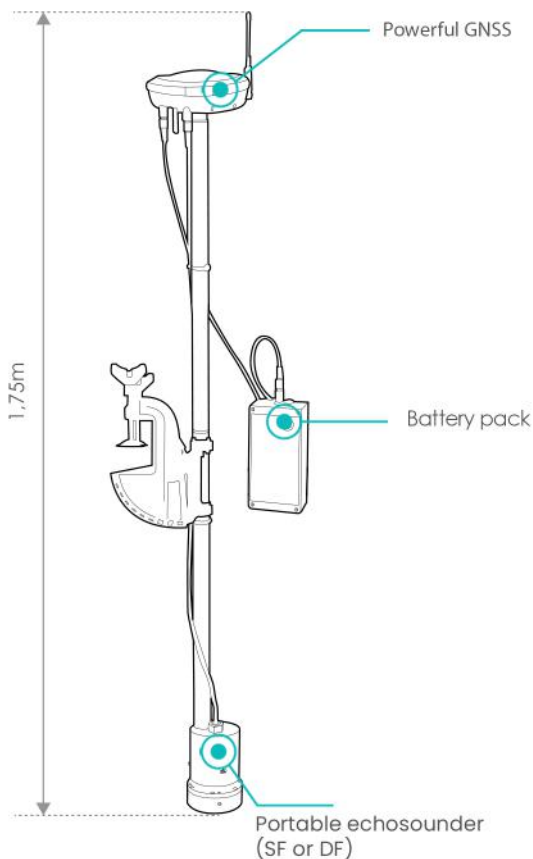
- ✓ New accessories & echosounders models
- ✓ Suitcase easy to transport & deploy
- ✓ Integrated & intuitive web server

BALI is an autonomous bathymetry survey solution, which is simple to operate, extremely accurate and affordable. It comes with either a single frequency (SF) or a dual frequency (DF) echosounder.

With BALI, hydro surveying is very intuitive. Professional tablets and software are not mandatory, as BALI can work completely stand alone or using any smartphone with its built-in software connected via Wi-Fi. The integrated smart antenna incorporates GNSS and radio modems to acquire RTK differential corrections in real time to deliver a precision of position of 1cm.

For demanding professionals, the NMEA output makes BALI compatible with any bathymetric software such as QINSy, HYPACK, etc.





Scope of supply

GNSS antenna with POE cable

Echosounder

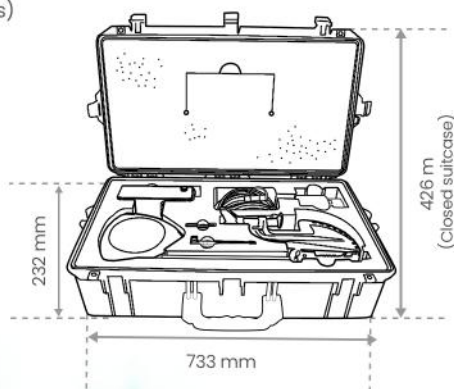
GSM/UHF antenna (if applicable)

Battery pack cable & charger

Rover rod (3 pieces)

Fixing bar

Transport case



GEOD®

GEOD® is the brand of products invented by Cadden Supplier and designer of accurate positioning systems for maritime and industrial applications

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Key features	
Portable echosounder	200 kHz (SF & DF) – 30 kHz (uniquement DF only)
Powerful GNSS	"Powered by Trimble" 240 channels L1/L2 RTK GNSS technology
Spécifications techniques	
Positioning	L1/L2 GPS, Glonass, BeiDou, Galileo enable (options available) RTK (1cm) – RTX (4cm) – SBAS (0,5m)
Echosounding	200 kHz echosounder (SF & DF) Range 200m – precision : 0,2% depth – 9° beam width
	30 kHz echosounder (DF only) Range 200m – precision : 0,2% depth – 26° beam width
Radio communication	GSM cell (standard) Long range UHF (403–473 MHz)
I/O interfaces	Wi-Fi Ethernet
Data format	
◦ Position	Latitude, Longitude, Altitude (WGS84)
◦ Sounding	Water height (meter)
Data output	NMEA 0183
Software interface	Web browser
Physical characteristics	
Dimensions	SF et DF series – Height : 1,75 m
Weight	SF et DF series – 11kg (1 suitcase)
Environment	
◦ Temperature	Operating -10°C to +40°C Storage : -20°C to + 55°C
◦ Ingress protection	IP67
Monitoring (LEDs)	2 LEDs for GPS reception & UHF link
Power	Batterie type : rechargeable high capacity NiMH
	Autonomy : 5 to 10 hours (mode dependent) External DC : 12VDC (cable in option required)
Options and accessories	
◦ L-Band Trimble CenterPoint RTX corrections	
◦ GNSS BeiDou et Galileo	
◦ Internal UHF modem	
◦ Power cable for external input	

Specifications subject to change without notice

