

GP Receiver



The GP receiver is an analogue hydrophone amplifier, designed to work in the field with CO.L.MAR. GP series. The device has the following features:



- Rugged construction based on a 1120 Pelican Case, with IP67 rating for protection against water and dust entrance
- Capable to work with 48, 96 or 192 kHz ADC sample rates audio recording devices
- Fitted with an internal rechargeable battery that guarantees more than 24 hours of power
- Very easy to carry, small dimensions and only 2kg weight
- Wide operating temperature range (-20 + 50° C)

The user interface is built around an anodized aluminium panel and includes the following:

GP Receiver panel

- Amphenol MS connector for underwater cable connection
- Battery charger inputs
- On/Off switch with led indicator
- Variable gain knob 0-50 dB
- Headphone volume knob
- Calibration button with led
- Headphones output
- Variable low pass filter (internal) 21-52/100 kHz



The complete system



Total weight of the complete system 5 Kg.

The receiver is usually associated with:

- N° 1 CO.L.MAR. GP series hydrophone with protective cage and damping suspension system
- N°1 Underwater polyurethane coated cable (length by choice)

Optional accessories:

- 48 or 96 /192kHz A/D converter with USB audio interface
- Recording analysis software

The main feature of the CO.L.MAR. GP receiver is the CALIBRATION button that provides the following functions:

- Calibration of the acquisition chain deducing the acoustic pressure of the signal on the Hydrophone in dB re 1uPa peak to peak
- Test of the proper working condition of the system
- Makes possible to calculate the absolute signal amplitude in any record where a calibration mark was included, even if the gain of the acquisition and reproduction chain used is unknown