

GP Hydrophone Calibrator



Battery operated field calibrator for Colmar GP series hydrophones. Using custom adaptors it can be used even with different types of hydrophones.

Easy to use and configure, allows different types of calibrations:

- Acoustic (fixed or sweep frequency from 100Hz to 700Hz)
- Electronic (fixed or sweep frequency from 3Hz to 200 kHz)
- Complete (Acoustic + Electronic).

Acoustic calibration gives hydrophone sensitivity expressed in dB re to $V_{rms}/\mu Pa$.

Bode plot diagram and data output as Acoustic (all hydrophones) and Electronic (only preamplified hydrophones) calibrations.

Easy to carry, ideal to perform field calibrations just before underwater noise measurements.

Performs Acoustic + Electronic calibration from 3 Hz to 200kHz - Sweep or fixed frequency - Graphs and data

Internal precision calibrated microphone as reference
Display visible even under direct sun light
BNC input available for external calibration signal
BNC output to monitor the reference microphone
Battery status indicator
Internal SD card for storing data and USB output for downloading data and graphs
Dimension and weight: 13.68" x 11.61" x 5.75" peli 1400, 4kg



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The GP hydrophone calibrator is provided with relative custom software to download and display data and graphs resulting from the acoustic and electronic calibrations.

Communication is achieved serially via USB-A port on the field calibrator.

Included Accessories: Battery charger 110-240 VAC 0.8A MS type connector, USB-A to USB-A cable

General specifications:

Hydrophone: Colmar GP series and other types using adaptors (maximum diameter 1.2")

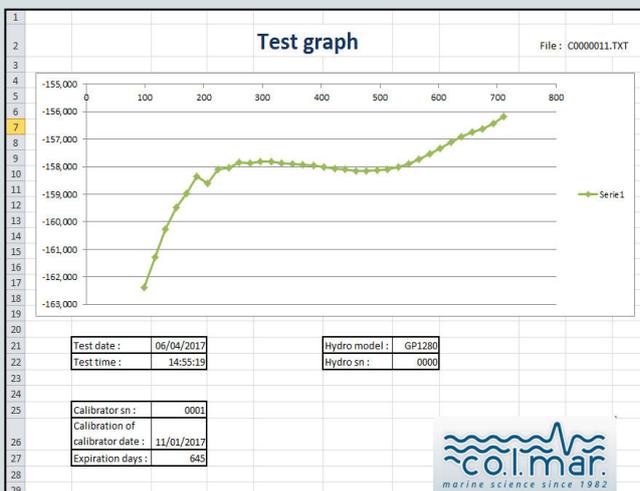
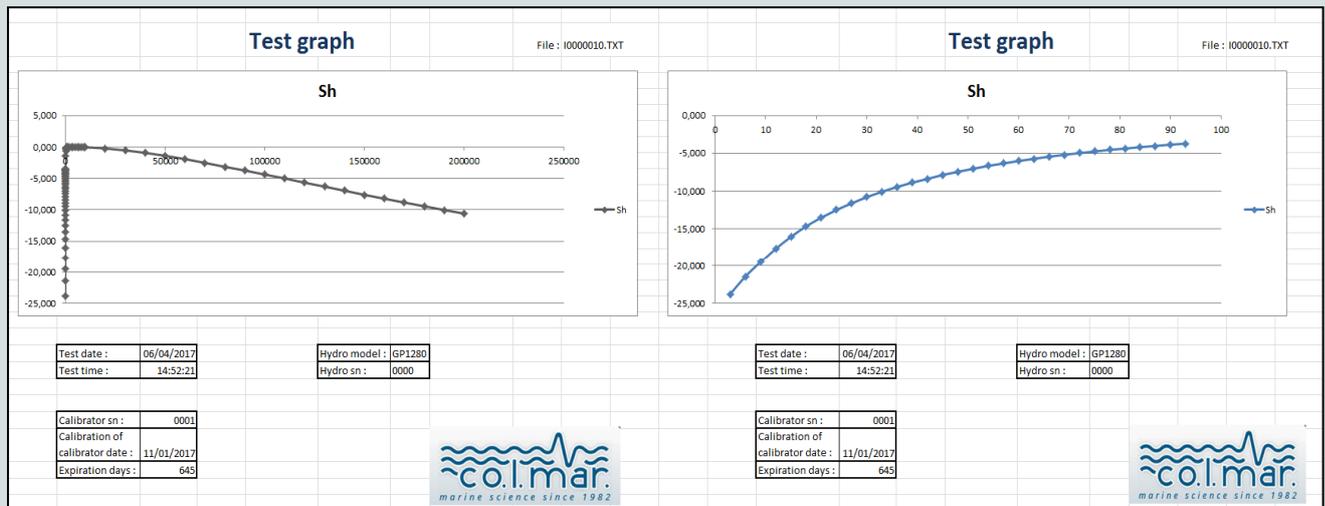
Interface: 5 Pins header (vcc/gnd/out+/out-/in cal), BNC output for microphone monitoring, BNC input for external signal generator

Calibration signal: Acoustic from 100Hz to 700Hz (fixed or sweep freq.), Electronic from 3Hz to 200kHz (fixed or sweep freq.). Electronic calibration can also be performed using an external signal generator.

Reference mic: Behringer ECM8000

Calibration data storage: Internal memory

Communication: Serial via USB-A port on calibrator panel



A	B	52	Frequency test	dB
1		53		-4,969
2	Test date : 06/04/2017	54		-4,760
3	Test time : 14:55:19	55		-4,539
4		56		-4,375
5		57		-4,179
6		58		-4,024
7	Freq	59		-3,852
8	99	60		-3,718
9	117	61		-3,570
10	135	62		-3,441
11	153	63		-1,396
12	171	64		-0,675
13	189	65		-0,398
14	207	66		-0,263
15	225	67		-0,174
16	243	68		-0,131
17	261	69		-0,098
18	279	70		-0,075
19	297	71		-0,053
20	315	72		-0,042
21	333	73		-0,010
22	351	74		0,000

