

# User's guide

## marine barograph BG2412 (W/B/G)

Please install this instrument in a dry location inside your ship. Avoid temperatures below + 5 C and over + 50 degrees Celsius. Connect the barograph with it's red connection (left) to the power supply ( +9...+35 V DC ). Connect the next black connector to the negative pole of the power supply. Please insert a 1 A fuse for protection.

After switching on the barograph, you will hear a short beep tone and you will see the actual software version and date of the software on the lcd screen. Then you will see on the top the actual air pressure in hPa ( Hectopascal ). The supply tension is displayed on the bottom line on the right side.

After the first hour of operation you will be able to see the one-hour tendency of variation of the air pressure. (xxx hPa/h), and after three hours you will see the three-hours tendency (xxx hPa / 3h) alternating with the one hours-tendency. After 2 days of operation the screen will be filled with the pressure-curve starting from the right side.

After installing the barograph you must calibrate it once. Findout the actual air pressure in hPa or mBar of your location/harbour. Try to find it's value contacting your local weather service or searching in the internet. [www.yahoo.com](http://www.yahoo.com) or [www.wetteronline.de](http://www.wetteronline.de) may help you. If you fail to find the actual value of the air pressure at your location, you may contact us by telephone ( 0049-4666989967 from 10:00 AM to 19:00 PM). We will try to help you as far as we can. After the first hour of operation you should check the air pressure again as the temperature compensation may work delayed. Every six month you should check your instrument again. If you know the air pressure at your location, you must calibrate the barograph by pushing either the +hPa-switch or the -hPa-switch. you must push one of these button at least 6 seconds until the value of the air pressure will be changed. Once the pressure value has been corrected, your barograph will show you the correct value in the future because the pressure-correction will be saved in a battery-buffered memory.

The clock is adjusted in the same way by pushing either the +hr or the +min button. The clock itself operates on it's own battery and will continue to work even after switching off the barograph.

The barograph will sound a short "beep" - tone if the air pressure will drop more than 4 hPa / 3h, warning you. A strong pressure-drop may indicate strong winds or gale within the next hours. If you don't want to hear this warning tone, you should press the "hPa+" and the "hr+" buttons contemporarely for at least one second while switching on your instrument. Repeating this during switching-on will enable you to hear that warning tone again in the future.

Please consider that the LED-light of Your display consumes about 80-100 mA current if You are sailing.

You may connect the barograph to a common PC-computer running under Windows 95 - Windows XP by connecting it to a free serial COM-port of your computer. Please use the data-cable. The data of the barograph will be sent to the computer acording NMEA 0183. A software to analyze and the save the data on harddisk can be downloaded here: <http://www.bohlken.net/download>. Our NMEA data sentences are also compatible with Maxsea. (\$WIXDR...) A USB-RS232 cable is available also.

Further information about the meaning of air pressure variations can be obtained here: <http://www.bohlken.net>.

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Updated april 2004