

## Thank you for purchasing this *ROYAL MARINER* barometer

Properly cared for this barometer will provide years of service.

Once the barometer is mounted in the chosen location, we recommend that you adjust it.

This will optimize accuracy for your location, and ensure that your readings are comparable to those from the weather services, whose are corrected to a standard sea level datum.

### Barometer Location

The location of your barometer is a matter of choice, but some places should be avoided.

- Avoid doorways. The draught can cause the air pressure to be too variable
- Avoid placing near to heating or air conditioning outlets
- Avoid sealed rooms with air conditioning
- Avoid placing above or adjacent to a heater or cooking appliance
- Avoid placing in direct sunlight

### Adjustment

In many cases the precise reading obtained from the barometer is not particularly important, as it is really the amount and speed of change in the reading which gives us useful information.

If you desire your barometer to read as closely as possible to published data for your location then some correction is required.

This is largely because barometric pressure readings drop by about 3hPa (3mB) for every 25 meters height above sea level.

Weather stations worldwide are obviously at widely different heights above sea level, so in order to standardise readings taken from them, they apply a correction to their barometer, which 'adjusts' the published figures to that of a reading taken at sea level.

So in order to compare your barometer readings with those published by a nearby official station you need to adjust the actual reading obtained to that of the corrected sea level reading.

First locate a source for the *latest* barometric pressure readings for your location. The internet is ideal.

In NZ, see here <http://www.metservice.com/national/home>

In Australia, see here <http://www.bom.gov.au/>

There are countless others, you may prefer a small local weather station that you can rely on.

*Do the adjustment when no weather fronts are approaching.*

Mid morning or afternoon is recommended, as average pressure change is minimal then.

On the rear of the barometer is an adjustment screw, marked + and -



Hold the barometer in the vertical (upright) position.

Determine which way you need to adjust the needle.

Make a very small adjustment with a small screwdriver.

Tap the glass firmly, and make another small adjustment.

Repeat the above until the barometer needle reading matches that obtained from your local source.

Much more useful information can be found on our website at: <http://cruisingelectronics.com/Support>

### Warranty

**In the event of malfunction or failure Cruising Electronics will, at their sole discretion, either repair or replace the unit, providing that:**

Malfunction has occurred within 12 months from the date of purchase - proof of purchase is required

The unit has not been exposed to any fluid, corrosive or hazardous substance, excessive airborne particles

The unit is returned freight paid to Cruising Electronics or their nominated agent

**Please note that under no circumstances can Cruising Electronics be held responsible or accept liability for any consequential damages or loss, incurred as a result of installing or operating this barometer**

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