# Hull Roughness Control unit can be operated with one hand

Controlling the roughness of a ship’s hull plays an important role in the operating costs of a vessel. The roughness of a ship’s hull increases mainly due to corrosion, pitting, plate undulation, mechanical damage, dry spray and above all bio fouling. Proper maintenance and the correct application of The TQC Hull roughness Gauge consists of a Control unit with a menu-driven interface and a sensor unit.

The Hull Roughness Control unit can be operated with just one hand, a 4-way directional push button operates an intuitive menu on a large illuminated display. The neck strap keeps the users’ hands free when required.

The Sensor unit is equipped with three non-slip wheels and a carbide tipped stylus and is moved over the ship’s hull in a horizontal way collecting series of measurements. A set of LED’s indicate the status of the instrument so operation is possible without observing the control unit.

Statistics, time/date and location of each series and the average hull roughness are automatically calculated and stored in the Control unit. Using the supplied USB-cable and software you instantly create inspection reports in Microsoft Excel. Your own company logo and or -details can be incorporated to restyle your reports.

**Technical Data**

| | |
|---|---|
| Accuracy: | +/- 5 microns or <2%, whichever is greater |
| Memory: | Enough for 4 complete surveys done both in- and out-docking, totalling over 10,000 readings |
| Location storage: | Simply point and click the hull location in the displayed graphical representation of the ship's hull |
| Units: | Microns |
| Speed: | 50 mm/s, with speed indication LED in the Sensor unit |
| Interface: | USB serial to PC connection |
| Power supply: | 4 AA type Alkaline Cells, available worldwide |

**Dimensions and Weight**

| | | | |
|---|---|---|---|
| Sensor Depth: | 205mm | Control unit Depth: | 7.9" (200mm) |
| Sensor Width: | 80mm | Control unit Width: | 4.5" (115mm) |
| Sensor Height: | 40mm | Control unit Height: | 1.6" (40mm) |
| Sensor Weight: | 630g approx. | Control unit Weight: | 350g approx |

The Hull Roughness Gage comes complete with:

- Hull Roughness Control Unit with neck-strap
- Hull Roughness Sensor Cable
- USB thumb drive with software
- 4 x AA batteries
- Hull Roughness Sensor
- DC9015 Calibration plate
- USB connection cable for PC

SU-892010 DC9000 Hull Roughness Gage ..... $4658.00

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[1] http://www.gardco.com