

GE-103G GPS Ultrasonic Depth Meter



The Portable Echo Sounder is a low cost ultrasonic water depth instrument meter, which is have the GPS function, could measure Latitude, Longitude, Altitude, used for measuring water depth in silting or sedimentation studies, dredging surveys in lakes, rivers, ports, sea, and inshore hydrographic surveying. These are also applicable in testing aid for electronic servicing, research and development, education, etc. The instrument can be used as a conventional echo sounder with depth data output via an LCD screen and printer.

This depth meter adopt the ultrasonic principle, have perfect function to measure the water depth, and control, data tranmit, communication. The unit is sold as a complete package and includes transducer, handheld terminal, internal battery charger, and protect box.

Specification:

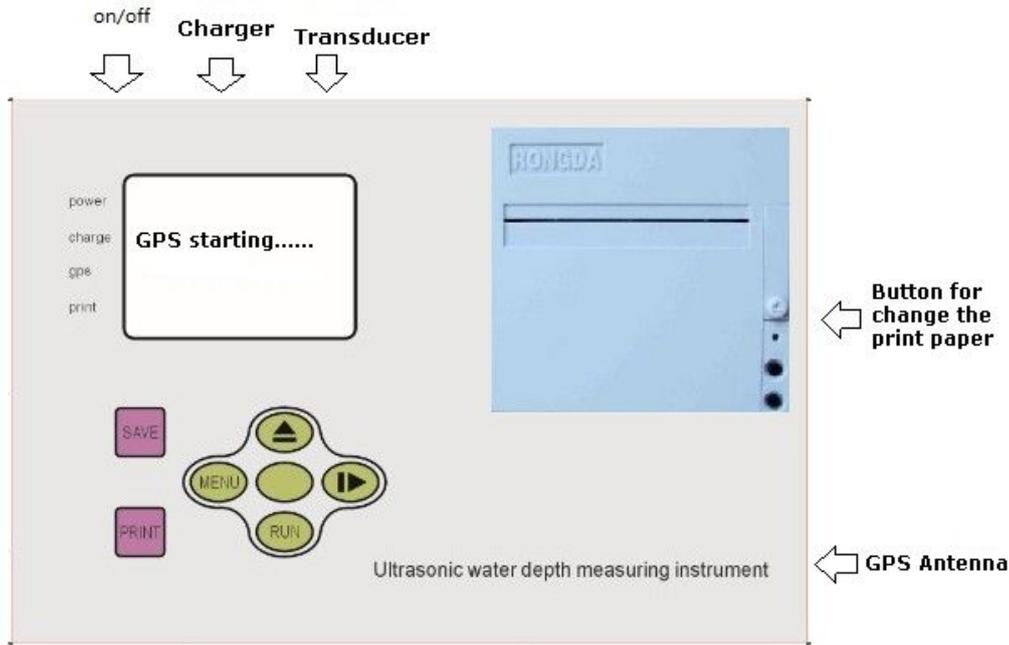
- * GPS function: Latitude, Longitude, Altitude
- * Depth Range: 0.5m~100m
- * Accuracy: $\pm 0.3\%$ (20C water temperature)
- * Blind Spot: < 0.1m
- * Detection Method: 15HZ/s
- * Work Frequence: 50KHz~200KHz
(Different transducer will be different)
- * Output: LCD screen and Printer
- * Max Flow Speed: 5m/s
- * Cable: 5m
- * Power Supply: Built-in Lithium battery, work more than 6 hours
- * Battery Charger: 110VAC ~ 240VAC 50HZ/60HZ
- * Work Medium: Water

Attention for user:

1. When the user don't use this meter, please pull off all wire plugefrom the meter; if no use in a long time,it need be charged with the power by each 3 month.
2. When need change the paper of the printer, press the button for change paper, you will find the place
3. If it is first time to use this meter, please make sure the time for power charge will be more than 3 hours, measure time should be more than 1 minute; Please make sure that the power must be finished, then charge with power; don't charge it when the battery have power.
4. The sensor must be below the surface of water, by vertically. Avoid the solid in the water

The User Manual.

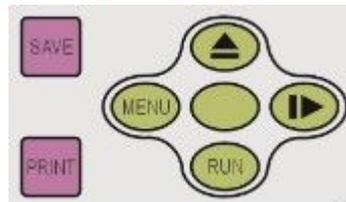
1. The connection for the cable



2. The Button of this meter

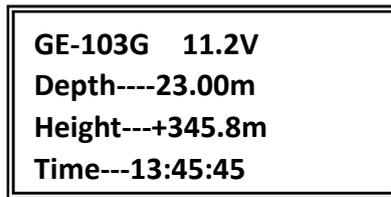
6 button for the data setting

- 1) **SAVE**, it is used to save the data and parameter
- 2) **PRINTING**, it is used to print the result
- 3) **MENU**, It is used to change the page
- 4) **▲**, Add Number: When set the parameter, press this key, the number will add 1;
- 5) **>>**, Move Key: When set the parameter, press this key, move the changeable number.
- 6) **RUN**, no function



3. The Parameter:

Turn on the power, the meter will start the GPS, then go to measure



Press the **MENU**, turn the page, it will show the GPS data. Normally, it will need 10minutes after turn the power to show the GPS data

