

DG100 Digital Depth Gauge and Timer

Training Module, Rev B



DG100

- Digital Depth Gauge
- Dive and Surface Timer
- Stopwatch Mode
- Designed for
 - Military Divers
 - Combat Swimmers



DG100

- Used as a Replacement for Analog Depth Gauges
- Instrumentation for Combat Swim Boards
 - TAC-300
 - TAC-100 and TAC-200



DG100 Features

- Easy to Read Display
- Large Function Buttons
- Rugged Design
- Max Depth Memory Recall
- Adjustable Max Depth Alarm
- Low Battery Indicator



DG100

- Depth Gauge



- Charging Cable



- A/C Charger



- Instruction Sheet and

- Manual are Online: www.rjeint.com

DG100 Options



- Charging Module

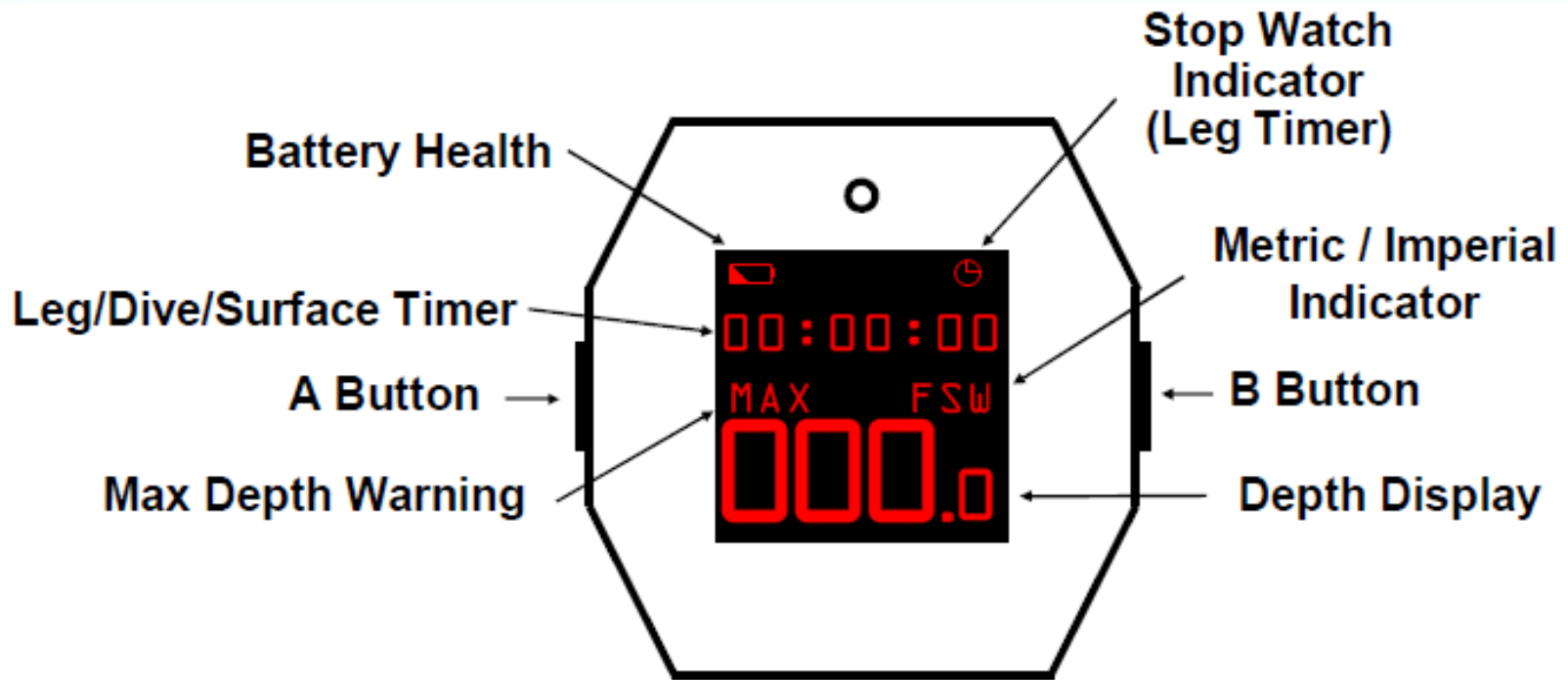


- AC Adapter

DG100 Key Specifications

- Depth Range: 0-330ft (0-100m)
- Accuracy: Typical 1% of given range
- Depth Resolution: 0.1ft (0.1m)
- Battery: Rechargeable, 300 Cycles
- Operational Life on Full Charge:
 - 16 hours on low brightness
 - 12 hours on high brightness
- Depth rated to: 330ft (100m)
- Timer Tolerance: 1%
- Stopwatch Functions: Start/Pause/Reset

DG100 Display and Controls



Display and Controls

Functions of DG100

- Controlling the DG100
 - All functions accessed by using “A” or “B” Buttons
 - “Short Press” is 2 seconds or less
 - “Long Press” is 3 seconds or longer
- “Operation Menu”
 - Can only be accessed in “Surface Mode”
 - Long Press “A” Button
 - Adjust brightness of display in “Surface Mode”
 - Set Max Depth Alarm in 3ft (1m) increments
 - Select Feet or Meters

Functions of DG100

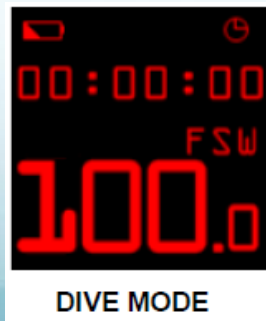
- “Dive Mode”
 - Once unit senses 3ft (1m) of water depth
 - Timer starts and dive time is displayed
 - Current Depth is displayed
 - Deepest Depth is recorded
 - Deepest Depth can be displayed
 - Max Depth Alarm is active
 - Diver Can Adjust Backlighting
 - Lap timer is available (start/pause/reset)
 - Unit cannot be turned off (no hibernation)

Functions of DG100

- “Surface Mode”
 - Short Press any Button on Surface
 - Once unit is in 3ft (1m) of water or less for 60 seconds after a dive
 - Surface timer is activated and displays for up to 24 hours
 - Max Depth can be displayed
 - Lap timer is available
- “Hibernation Mode”
 - Only in “Surface Mode”
 - Inactive on the surface for 1 minute
 - To wake up unit, short press “A” or “B” Button

Using the DG100

- Turning “ON” the DG100
 - Short Press either “A” or “B” Button to enter Surface Mode.
 - Diving: Enters “Dive Mode” once immersed in 3ft (1m) of water
- Monitoring Depth
 - Displays depth in real time to 330ft (100m)
 - Depth indicator will be in FSW (feet-of-seawater) or MSW (meter-of-seawater)
 - Long Press “B” Button to display “max depth” (Dive or Surface Mode)
- Max Depth Indicator
 - Can be set in 3ft (1m) increments
 - Default setting is 30ft (9m)
 - The “MAX” status will illuminate when DG100 exceeds set depth
 - Can only be reset by starting a new dive or in maintenance mode



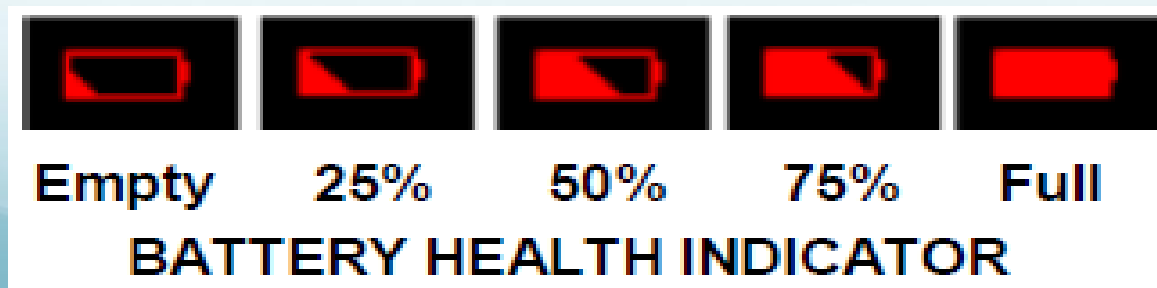
Using the DG100

- Dive and Surface Timer
 - Dive Timer starts upon unit's activation in "Dive Mode"
 - Timer displays in hours:minutes:seconds
 - Switches to Surface Timer once DG100 is in 3ft (1m) of water or less for 60 seconds or more
 - Surface Timer tracks for up to 24hours and is reset on the next dive
- Stopwatch Mode
 - Short Press "A" Button and "B" Button at the same time to switch from Dive/Surface Timer
 - The Stopwatch Indicator will be displayed
 - Timer displays in hours:minutes:seconds
 - Short Press "B" Button to start and pause timer
 - Short Press "A" Button to reset the timer
 - Short Press "A" Button and "B" Button at the same time to return to Dive/Surface Timer



DG100 Maintenance

- DG100 is designed to be maintenance free.
- Large impacts can damage the pressure sensor and display
- Clean with soap and water and allow to dry before storage.
- Keep Pin Contacts clean
- Battery Information
 - DG100 is powered by Lithium Ion Battery (just like a cell phone)
 - Can be charged over 300 times for over 4,800 hours of dive time
 - Up to 16 hours of use between charges



DG100 Maintenance

- Battery Charging
 - Battery is charged through “Pins” in the back of the unit
 - Connect Battery Charging cable to the back of the unit using insert as a guide.
 - Plug USB connector into the AC Charger
 - Plug Charger into a 110/240 AC outlet



DG100 Maintenance

- Battery Charging
 - Can use computer to charge gauge
 - Battery health indicator will flash while in charging mode
 - 90% charge in 2-3 hours. Full charge in 6 hours
 - Press “A” Button to update Battery Health Indicator



DG100 Maintenance

- Using the Operations Menu
 - Long Press “A” Button to access menu
 - Short Press “A” Button to scroll menu
 - Short Press “B” Button to change the setting
 - Brightness
 - Set Surface Brightness of OLE Display
 - High, Med, Low by using “B” Button
 - Max Depth
 - Set Max Depth Alarm from 0 – 300Ft (0 – 100M)
 - “B” Button to select depth alarm in 3ft (1m) increments
 - Meter/Feet
 - Use to set gauge to display in feet or meters
 - “B” Button will toggle between the two selections
 - Exit Menu
 - Press “B” Button to Exit Operations Menu



OPERATIONS MENU

DG100 Digital Depth Gauge and Timer

FOR QUESTIONS CONTACT BRUCE AT
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