⚠ **DO NOT PUT THE ANALYSER INTO THE WATER.**

⚠ **DO NOT DIVE WITH THE ANALYSER PLUGGED. IT WILL DAMAGE THE ANALYSER AND THE RATIO COMPUTER.**

⚠ **DO NOT PLUG THE ANALYSER WITHOUT ITS BATTERY TO THE RATIO COMPUTER**

⚠ **DO NOT PLUG THE ANALYSER TO THE DIVE COMPUTER IF THE COMPUTER IS TURNED OFF**

Φ RATIO
C O M P U T E R S

Gas Analyser
Manual

Product name: **Gas Analyser**
Produced by: **Dive Industries srl**

ATTENTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Requires OS 3.0.9 or major for iX3M, Requires OS 2.0.1 for iDive and "MIX CHECK" App installed.

To update your RATIO Computer and install the "MIX CHECK" App download the DiveLogger:
http://www.ratio-computers.com/support

RATIO® Computers
www.ratio-computers.com

How to: replace the battery

The Analyser uses 1 battery:
1.5V type N, LR1, MN9100,AM5, 4001 (standard)

Unscrew the Analyser body.

Put a new battery into the battery slot. Attention to respect the polarity "+" and "-").

Wait for 1 minute before use (for automatic check)

A new battery has 80 hr autonomy of connection to RATIO Computer, or 6 months autonomy in stand-by.

If you will not use the analyser for a long period of time remove the battery.

How to: Use the Analyser

1. Check that the battery is inserted.
2. Remove the protection cap
3. Connect the Analyser to the RATIO Computer (like the USB cable for recharge. See the manual.)
4. In the RATIO Computer go to "MIX CHECK" App (previously installed)
5. The RATIO Computer will check the status of the sensor and the battery (wait 25 seconds)
6. The RATIO Computer shows the % of oxigen. (Put the Analyser near the tank you want to analyse and carefully open the tank's valve. Make a continous and light flow of air for a proper analyse).

Error messages and solutions:

- LOW BATT: The Analyser battery charge is low.
  -> Change the battery with a new one.

- SENSOR ERROR: The sensor has not passed the check.

  -> The sensor is not properly connected to the Analyser. Remove the sensor and install it again. (see "How to: Replace the Sensor")

  -> The sensor is worn out. Change the sensor with a new one. (Use only vandagraph R-22VAN or Analytical Industries PSR-11-39-MD)

How to: Replace the Sensor

You have to periodically replace the sensor of the Analyser for a properly analyse.
You have to use ONLY this type of sensor: Vandagraph R-22VAN or Analytical Industries PSR-11-39-MD.

ATTENTION: Do not use different models of sensors for any reason.

To prevent the premature worn-out of the sensor leave the sensor protection cap plugged when you are not using the Analyser.

Sensor replacing procedure:

1. Remove the Analyzer's battery. (make sure the analyser is unplugged from the RATIO Computer).
2. Unscrew the head of the Analyser (pay attention to not damage the battery slot)
3. Pull out the sensor
4. Unplug the molex connector
5. Replace the sensor with a new one (plug the molex connector and insert the sensor in Analyser's head)
6. screw the Analyser's head (do not tight too much)
7. Install the battery (see "How to: replace the battery")
8. Wait for 1 minute before use (for automatic check)