

KISS Rebreather LLC. – Trimix CCR Diver 100m – Diver Course Evaluation Form  
As per the KISS minimum required training standards, the course must be completed with the minimum required dives and minutes, along with discussion on required academic topics, and all required skills. The student must achieve a minimum score of 8 out of 10 points in all the following skill areas.

KISS minimum training standards may differ from approved training agency standards. As KISS minimum training standards are the minimum required standard, the approved training agencies may add to them. Instructors should check with the appropriate training agency to ensure that all standards have been met.

Student: \_\_\_\_\_ Instructor: \_\_\_\_\_  
Course start date: \_\_\_\_\_ Course completion date: \_\_\_\_\_  
KISS rebreather name & serial number: \_\_\_\_\_

**Skills:**

1. Pre-dive checks: Average score: \_\_\_\_
  - \_\_\_\_ Specific unit checklist
  - \_\_\_\_ Verify diluent and oxygen (O2) cylinder contents using gas analyzers
  - \_\_\_\_ Unit built up
  - \_\_\_\_ Scrubber canister filling
  - \_\_\_\_ Breathing loop check including mouthpiece one way valves and positive and negative check
  - \_\_\_\_ Sensor calibration in oxygen, with verification in air
  - \_\_\_\_ 5 minute pre-breathe
  - \_\_\_\_ Stage cylinder rigging
  - \_\_\_\_ KISS Sidekick: unit rigging, diluent/oxygen cylinder rigging for best work of breathing/how to resolve incorrect rigging
  
2. Demonstrate correct pre-dive planning procedures: Average score: \_\_\_\_
  - \_\_\_\_ Limits based on system performance
  - \_\_\_\_ Limits based on oxygen exposures at chosen PO2 levels
  - \_\_\_\_ Limits based on nitrogen absorption at planned depth and PO2 set point
  - \_\_\_\_ Appropriate selection of decompression conservatism/gradient factors for the planned dive
  - \_\_\_\_ Thermal constraints
  
3. Underwater verification: Average score: \_\_\_\_
  - \_\_\_\_ Stop at 3-6 meters/9-19 feet on descent for leak bubble check
  - \_\_\_\_ Counterlung and Over Pressure Valve adjustment, if necessary
  
4. Emergency procedures: demonstrate appropriate response to the following; each dive should have a minimum of 2, "diver emergencies" that the student must react to: Average score: \_\_\_\_
  - \_\_\_\_ Properly execute a recovery from a system failure and conclude the dive and decompression on open circuit gases carried
  - \_\_\_\_ Gas shutdowns and loss of gas, correct choice and switching to off board gases.
  - \_\_\_\_ Broken hoses, catastrophic failure scenarios
  - \_\_\_\_ Flooded absorbent canister

- \_\_\_\_ Cell errors
5. Demonstrate competence managing three (3) bailout cylinders, including drop and recovery while maintaining position in the water column: Score: \_\_\_\_
  6. Ability to manage multiple failures in adverse conditions: Score: \_\_\_\_
  7. Rescue skill session as outlined by Training Agency: Score: \_\_\_\_
  8. Use of buoyancy control system: Average score: \_\_\_\_
    - \_\_\_\_ Buoyancy and trim control at safety stop
    - \_\_\_\_ Buoyancy and trim control during dive
    - \_\_\_\_ Buoyancy and trim control hover at fixed position in water column without moving hands or feet
  9. Controlling and monitoring for PPO2 levels: Average score: \_\_\_\_
    - \_\_\_\_ Raising/lowering PPO2
    - \_\_\_\_ Starting PPO2
    - \_\_\_\_ PPO2 monitoring every minute
    - \_\_\_\_ Manual Add Valve verification: static at constant depth, monitor change over several minutes
    - \_\_\_\_ Electronics systems monitoring for PPO2 levels (SETPOINT) and setpoint switching using manual and pre-programmed methods when available (when the unit is equipped with an on board decompression computer that monitors sensors)
  10. Electronic systems use: Average score: \_\_\_\_
    - \_\_\_\_ Use and adjustment of Heads Up Display, position, brightness, colour
    - \_\_\_\_ Use and adjustment of PPO2/depth/time display, position, brightness, colour
    - \_\_\_\_ Use and adjustment of decompression computer, set up/gas switching, battery verification, etc
  11. Use of lift bag/DSMB and reel: Average score: \_\_\_\_
    - \_\_\_\_ Use of lift bag/DSMB and reel at depth, and mid water
    - \_\_\_\_ Simulate failed lift bag/DSMB deployment
    - \_\_\_\_ On two (2) of the dives, demonstrate an ascent with ascent reel and lift bag and perform staged decompression
  12. Mask removal and replacement: Score: \_\_\_\_
  13. Proper execution of the dive within all pre-determined dive limits: Score: \_\_\_\_
  14. Demonstration of decompression stops at pre-determined depths (on all dives): Score: \_\_\_\_
  15. Cell validation checks with appropriate use of diluent and oxygen: Average score: \_\_\_\_
    - \_\_\_\_ Oxygen sensor verification at depth
    - \_\_\_\_ Linearity check of sensors at approximately 5 meter/16 feet on pure oxygen
  16. Decompression related in-water skills: Average score: \_\_\_\_
    - \_\_\_\_ Demonstrate proper understanding and implementation of team diving procedures to conduct bailout from a depth greater than 40 meters/131 feet
    - \_\_\_\_ Demonstrate ability to plug in and share off-board gas, including sharing/swapping of off-board bailouts
    - \_\_\_\_ Oxygen rebreather mode at less than six (6) meter/19 foot stop
  17. Show awareness of buddy and other team members through communications, proximity and team oriented dive practices: Score: \_\_\_\_

18. Demonstrate of surface support/support divers in dealing with bailout scenario: Score: \_\_\_\_
19. Demonstrate an adequate level of fitness by completing a minimum of a 50 meter/164 feet surface diver tow with both rescuer and the victim wearing a complete CCR diving system and bailout cylinder(s) applicable to their specific program: Score: \_\_\_\_
20. Complete all academic sessions and unit specific assessments as specified in the training material of the training agency and the manufacturer: Completed: \_\_\_\_
21. Complete a minimum of six (6) training dives, including confined water skill development of at least one (1) hour, and five (5) core open water training dives with a minimum run time of 30 minutes each: Completed: \_\_\_\_
22. Complete a minimum of 360 minutes of total in-water time (including confined water) on the applicable unit: Completed: \_\_\_\_
23. Be able to independently complete a dive plan: Completed: \_\_\_\_
24. Complete the final course exam as set out by the training agency with a required minimum pass rate of 80% with 100% remediation: Completed: \_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Instructor signature: \_\_\_\_\_ Date: \_\_\_\_\_

In order to complete the students KISS certification, this document must be completed in full, and emailed to: [info@kissrebreathers.com](mailto:info@kissrebreathers.com).

PLEASE PRINT CLEARLY - IF WE CAN'T READ YOUR WRITING, WE CAN NOT PROCESS THIS FORM.  
 THANK YOU!