



# **ProTech Scuba**

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**(520) 508 - DIVE (3483)**

## **Technical Diving Courses Fact Sheet**

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At ProTech Scuba LLC the instructional quality of our classes will not be surpassed; certification cannot be purchased, it must be earned. Take the plunge and purchase your training today.

### **TDI Nitrox/NAUI Nitrox (\$125)**

This is the entry level certification course for recreational divers wishing to utilize enriched air nitrox (EAN) as a breathing gas and wanting to possibly continue on with other tech courses. The objective of this course is to train divers in the benefits, hazards and proper procedures for using nitrox mixes from 22% to 40% oxygen content. Content includes working formulas for equivalent air depth, maximum operating depth, oxygen exposure and best mix, as well as learning to plan for nitrox dives. This course is available immediately for anyone wishing to register.

### **TDI Intro to Tech (\$300)**

The Introduction to Technical Diving Course (Intro to Tech) is designed as a bridge from the recreational sport diver to an introduction to the rigors and discipline of technical diving, and is a great preparatory course if you are considering technical diver training or are interested in streamlining your equipment configuration. This course is designed as an introductory course to the TDI Advanced Nitrox and the TDI Decompression Procedures courses. The objective of this course is to familiarize students with technical gear configurations, to enhance open water diving skills (such as buoyancy, trim, and situational awareness), and to introduce students to advanced gas planning techniques within a no-decompression context. This course is strictly a no-decompression course; students are permitted to use Enriched Air Nitrox to the level they are certified. The Intro to Tech course is your first step to a whole new world of technical diving! Course takes approximately 2 days: one classroom, 3 dives.

### **SDI Equipment Specialist (\$125)**

Learning how your equipment functions, as well as how to make field repairs is essential for the technical diver. This course will take you through the service and repair of ALL of the equipment necessary to make your dives successful. Students can bring to class their personal gear to service during the lab portion of the class.

### **SDI Visual Tank Inspection (\$225)**

Learning how to inspect your own scuba cylinders can save you hundreds of dollars annually, depending on how many tanks you own. Successfully passing this course can put you in a situation where you can inspect your own cylinders and save you money. This course covers the critical steps in visual inspection and students must successfully inspect three cylinders.

### **TDI Nitrox Gas Blender (\$225 + Lab Fee)**

This course provides the training required to allow candidates to competently and safely blend nitrox gas. The objective of this course is to train candidates in the proper techniques, equipment requirements and hazards involved in blending nitrox gases for recreational scuba. Oxygen cleaning techniques for scuba cylinders will also be covered during this course. Students must successfully blend 5 nitrox cylinders.

### **TDI Advanced Gas Blender (\$225 + Lab Fee)**

This course enables the successful candidate to engage in the blending of oxygen and helium based gases. The objective of this course is to train candidates in the proper procedures needed for the preparation and blending of high quality nitrox and trimix gases for use in technical diving. Students must successfully blend 5 nitrox and 3 trimix cylinders.

### **TDI Advanced Nitrox (\$400)**

Graduates are able to manage high-test nitrox (40% plus) including pure oxygen responsibly, paying attention to special equipment and component requirements, handling considerations, and cylinder markings. They are able to grasp the concept and importance of Central Nervous System oxygen toxicity tracking -- (CNS clock) – have the ability to calculate MOD's without reference to tables for different ppO<sub>2</sub> and FO<sub>2</sub>s; and have been introduced to the criteria for “advanced nitrox” equipment selection and configuration. Course takes approximately 3 days: one classroom, 4-6 dives and can be combined with TDI's Decompression Procedures.

### **TDI Decompression Procedures (\$400)**

Graduates are able to make informed decisions to undertake dives outside the NDLs (as per US Navy and DCIEM tables) and manage the increased risks associated with these dives based on best practice information, limitations of training, limitations of knowledge and “objective” assessment of personal limitations. They leave this class with a basic understanding of staged decompression practice (ascent behavior) and decompression theory. They should understand the concept and constraints of staged decompression obligation; the use of multiple gases to optimize a decompression schedule; advanced equipment selection and clean gear configuration (since deco diving is overhead environment diving). In addition, they should be versed in basic contingency planning with particular focus on overhead gas management techniques. Course takes approximately 3 days: one classroom, 4-6 dives and can be combined with TDI's Advanced Nitrox.

### **TDI Extended Range (\$600)**

Graduates are able to make dives requiring long decompression stops and needing expedition quality contingency planning. They are comfortable making advanced equipment selection and know how to configure and manage additional gear to function well on long dives in local conditions. This gear will include two sling/stage cylinders containing decompression gases. Course takes approximately 3 days: one classroom, 4-6 dives and can be combined with TDI's Deco Procedures or Advance Wreck.

### **TDI Extended Range/Trimix (\$800)**

Graduates are able to make dives requiring long decompression stops and needing expedition quality contingency plans. They are comfortable making advanced equipment selection and know how to configure and manage additional gear to function well on long dives in local conditions. This gear may include two sling/stage cylinders containing decompression gases. They also fully understand in-water behaviors dictated by use of helium in breathing mixes; are competent using complex gas management calculations and have the ability to create, manage and modify complex decompression schedules and apply them as appropriate to the dive conditions. Graduates should also be familiar with the correct procedures for using a helium/oxygen analyzer.

### **TDI Generic Rebreather Course (CCR and SCR; online portion only; \$130)**

This online course covers two types of rebreathers and is a general introduction of rebreather operations. For divers just starting out and wanting to get into the exciting world of closed circuit rebreather diving, the TDI Air Diluent course is the perfect starting point. The information in this course combined with the practical application with a certified TDI Air Diluent CCR Instructor will produce a proficient air diluent CCR diver. For the diver who has a level of technical diving experience and certifications or one who is already a certified CCR Air Diluent diver, the information in this course along with practical application with a certified TDI Air Diluent CCR Decompression Procedures Instructor will take the diver to the next level. The practical portion (certification) is NOT available through ProTech Scuba LLC.

### **TDI Advanced Wreck Diving/NAUI Technical Wreck Penetration (\$900)**

Graduates are able to conduct penetration dives (overhead environment dives) in wrecks using reels and lines with confidence, and have the ability to plan, execute and develop contingency plans for dives in marginal conditions -- poor visibility, harsh surface conditions, cold water and/or low visibility for example. Graduates should also be able to recognize and use navigational landmarks on steel and wooden wrecks, and be confident deploying and surfacing on emergency ascent lines (fixed and drifting). Course takes approximately 5 days: two classroom sessions, 8-10 dives and can be combined with TDI's Deco Procedures or Extended Range courses. (NAUI Wreck Penetration is also available (non technical class) \$350)

### **TDI Technical Divemaster (\$895)**

This course is the third stage of training in the series of TDI programs. As a TDI Divemaster you will be able to plan, organize and supervise Technical dives in the disciplines you are trained to dive in. Training will include advanced dive planning and supervision. (The above fee is reduced for current SDI Divemasters.)

**Equipment List:** Go to [www.protechscuba.com/pdffiles/techequipment.pdf](http://www.protechscuba.com/pdffiles/techequipment.pdf)