

TUXING LY700

TUXING LY700 Scuba Diving System User Manual

Tankless Underwater Breathing Device

1. INTRODUCTION

The TUXING LY700 Scuba Diving System is an innovative tankless underwater breathing device designed for extended underwater exploration. This system provides a continuous air supply from the surface, eliminating the need for bulky oxygen tanks. It supports up to two divers simultaneously, offering a reliable and portable solution for various underwater activities.

Key Features:

- **Dual-Diver Support:** Accommodates two divers with a high-capacity compressor.
- **Extended Battery Life:** Provides 7-10 hours of continuous operation.
- **Auto-Drain Function:** Automatically removes condensation for simplified maintenance.
- **Safety Protections:** Includes low battery alerts, overheat, and overload protection.
- **Portability:** Lightweight (11kg) and compact design for easy transport.

2. SAFETY INFORMATION

Read all safety warnings and instructions before using this product. Failure to follow these instructions may result in serious injury or death.

- **Training:** This device is intended for use by individuals trained and certified in scuba diving or snorkeling techniques. Do not use without proper training.
- **Depth Limits:** Maximum diving depth is 18 meters (60 feet) for a single diver and 5 meters (16 feet) for two divers. Exceeding these limits can lead to decompression sickness or other serious health risks.
- **Pre-Dive Checks:** Always perform a thorough pre-dive inspection of all components, including hoses, regulators, and the main unit, to ensure they are in good working order.
- **Battery Monitoring:** Pay attention to low battery alerts. Always return to the surface with sufficient battery life remaining.
- **Overheat Protection:** The system is equipped with overheat protection. If the unit shuts down due to overheating, allow it to cool down completely before attempting to restart.

- **Environmental Conditions:** Do not use in strong currents, heavy seas, or adverse weather conditions.
- **Emergency Procedures:** Familiarize yourself with emergency ascent procedures and always dive with a buddy.

SCUBA DIVING VENTILATOR



Waterproof



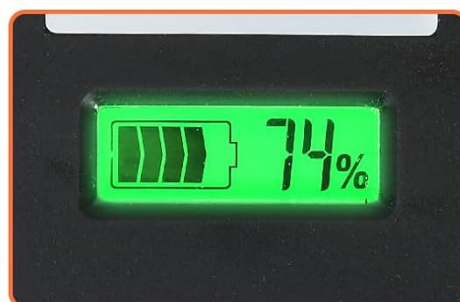
Roll-proof



Shake-resistant



Comfort Handle Compact and light, only **11KG!**



Low Battery Reminder Check availability anytime, anywhere!



Double Filter Element Get cleaner air! Breathe freely and odor-free!

The TUXING LY700 unit features waterproof, roll-proof, and shake-resistant design, along with a low battery reminder and a double filter element for clean air supply.

3. SETUP

Follow these steps to set up your TUXING LY700 Scuba Diving System before each use.

1. **Charge the Battery:** Ensure the unit's battery is fully charged before use. Connect the charger to the charging port and a power source. The charging indicator will show the battery status.
2. **Attach the Buoy and Flag:** Securely attach the red buoy and dive flag to the top of the main unit. This ensures visibility on the surface.
3. **Connect Air Hoses:** Connect the air hoses to the designated ports on the main unit. Ensure a secure, airtight connection.
4. **Connect Regulators:** Attach the breathing regulators to the other end of the air hoses. Verify that the

connections are tight and free from leaks.

5. **Inspect Components:** Visually inspect all hoses, regulators, and the main unit for any signs of damage, wear, or obstructions.
6. **Place Unit in Water:** Carefully place the main unit on the surface of the water. Ensure it floats stably and the air intake is clear of obstructions.



The advertisement features a large background image of a tropical beach with turquoise water and palm trees. In the foreground, the main unit of the ventilator is shown floating on the water. It is a black, rounded rectangular device with a red stripe along the top edge. On top, there is a white plastic container, a black hose, and a red and white diving flag on a white pole. A red buoy is attached to the top of the flagpole. To the left of the main unit, two black air hoses are coiled, each with a black regulator attached. The text 'SCUBA DIVING VENTILATOR' is written in large, bold, orange letters at the top left, with 'TANKLESS DIVING SYSTEM' in smaller orange letters below it. At the bottom, there are three circular icons on an orange background: a cloud with air flowing out, a depth gauge with wavy lines, and a clock with a circular arrow. Below each icon is a specification: 'Air Supply: 65L / min', 'Max. Diving Depth: 18 meters', and 'Max Operating Time: 7-10 hours'.

SCUBA DIVING VENTILATOR

TANKLESS DIVING SYSTEM

Air Supply:
65L / min

Max. Diving Depth:
18 meters

Max Operating Time:
7-10 hours

The complete TUXING LY700 system showing the main unit, two air hoses, and two regulators ready for assembly.



Detailed view of the air hoses and regulators, highlighting their connection points.

4. OPERATING INSTRUCTIONS

Operating the TUXING LY700 is straightforward, but adherence to proper procedures is essential for safety and performance.

1. **Power On:** Locate the power button on the main unit and press it to turn on the system. The display will illuminate, showing battery status and other relevant information.

2. **Enter Water:** Once the unit is powered on and floating, carefully enter the water with your regulator in your mouth.
3. **Breathing:** Breathe normally through the regulator. The system will continuously supply air from the surface.
4. **Monitor Depth and Time:** Always be aware of your depth and the remaining battery life. The system provides low battery alerts.
5. **Ascend Safely:** Plan your ascent to allow for safety stops if necessary, especially after deeper dives.
6. **Power Off:** After exiting the water, turn off the main unit by pressing the power button.



The control panel and digital display on the TUXING LY700 unit, indicating battery level and operational status.



The TUXING LY700 system in its operational environment, highlighting its key performance metrics.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your TUXING LY700 system.

- **Rinse After Use:** After each use, thoroughly rinse the main unit, hoses, and regulators with fresh water to remove salt, sand, and other debris.
- **Auto-Drain Function:** The system features an auto-drain function to remove condensation. Ensure this function operates correctly after each use.
- **Filter Element:** The system uses a double filter element for clean air. Regularly inspect and replace the filter elements as needed to maintain air quality.
- **Battery Care:** Store the unit with a partially charged battery (around 50-70%) if not using for an extended period. Avoid fully discharging the battery. Recharge fully before next use.
- **Storage:** Store the unit and accessories in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Hose Inspection:** Periodically check hoses for cracks, kinks, or signs of wear. Replace damaged hoses

immediately.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your TUXING LY700 system.

Problem	Possible Cause	Solution
Unit does not power on	Low or depleted battery; Power button not pressed correctly; Internal fault.	Charge the battery fully. Ensure the power button is pressed firmly. If issue persists, contact support.
No air supply or weak air flow	Hose kinked or disconnected; Clogged filter; Low battery; Compressor issue.	Check hoses for kinks or disconnections. Inspect and replace filter elements. Charge battery. If issue persists, contact support.
Unit shuts down unexpectedly	Overheat protection activated; Low battery; Overload protection activated.	Allow unit to cool down completely. Check battery level and recharge. Reduce load if possible.
Water in air hose/regulator	Condensation buildup; Unit submerged incorrectly; Leak in hose/connection.	Ensure auto-drain function is working. Check unit's position on water. Inspect hoses and connections for leaks.

7. SPECIFICATIONS

Detailed technical specifications for the TUXING LY700 Scuba Diving System.

Feature	Specification
Model	LY700
Air Supply	65 Liters/minute
Max. Diving Depth (Single Diver)	18 meters (60 feet)
Max. Diving Depth (Two Divers)	5 meters (16 feet)
Battery Life	7-10 hours
Battery Capacity	132000 mAh
Battery Power	1465 Watt-hour
Voltage	11.1 V
Machine Weight	11 kg (24.25 lbs)
Material	Aluminum
Included Components	1* 7-10 Hours diving ventilator

Basic parameters of diving ventilator



Model:	LY700
Battery life:	7-10hours
Battery capacity:	132000mah
Battery power:	1465 watthour
Machine Weight:	11kg
Voltage:	11.1V



Waterproof protection



long-lasting battery life



Can dive up to 18 meters



Powerful



Outdoor-specific material



lightweight and portable

Visual representation of the TUXING LY700's basic parameters and key features.

8. WARRANTY

The main parts of the TUXING LY700 Scuba Diving System are covered by **at 1-year warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

Please retain your proof of purchase for warranty claims.

9. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact TUXING customer support. Refer to the contact information provided with your product packaging or visit the official TUXING website for the most up-to-date support details.

When contacting support, please have your product model (LY700) and purchase information readily available.

