

# THREE DIVER NITROX PANEL



**SYNERGY**  
INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

DUBAI • UK • INDIA • AUSTRALIA • SINGAPORE



The Synergy Three Diver Nitrox Panel is a high-performance surface control system designed for mixed gas (Nitrox/Helium) diving operations, fully compliant with IMCA D037 and D018 standards. It supports three divers simultaneously with independent high-pressure (HP) supply lines & 3 communication mix supply, integrated gas analysis, communication, and individual video monitoring systems, ensuring precise monitoring, safe gas delivery, and full operational visibility.

Featuring color-coded gauges, valves, and flow lines, along with color backlit touch buttons for low-light operation, the panel provides intuitive and safe control for divers. All connections are routed from the rear for a clean front interface, while dual hard-drive recording ensures all operations are documented for review and compliance, making it a robust and versatile solution for professional commercial diving applications.

## POWER MONITORING

- Digital amp/voltmeter display
- Continuous monitoring of incoming power supply

## CERTIFICATION & COMPLIANCE:

- Designed in accordance with IMCA D037 & IMCA D018 standards
- Full certification package available
- FMEA (Optional) for complete system reliability analysis
- Bureau Veritas Class witness testing certification for the entire unit

## SPECIFICATION:

### GENERAL INFORMATION:

- Three diver Nitrox diving control panel
- Designed and engineered in accordance with IMCA D037 & IMCA D018 standards
- Green engraved panel fascia for Nitrox identification
- Color coded gauges, valves, and flow lines for each diver
- Independent HP gas supply lines per diver
- Common for LP supply, Mix 1 & Mix 2
- All piping and connections routed from behind the panel
- Client logo embossed on panel fascia (Optional)

### HIGH-PRESSURE(HP) AIR DIVER SUPPLY

- Independent HP gas supply lines for each diver
- Dedicated control and monitoring for each diver's gas supply
- Designed for safe Nitrox delivery and pressure regulation
- Color-coded flow lines for easy identification

### LOW-PRESSURE(LP) AIR DIVER SUPPLY

- Common LP supply line for 3 divers
- Common Mix 1 / Mix 2 gas supply for 3 divers
- Integrated control and monitoring for mixed gas management

### DIVER DEPTH MONITORING

- Individual video monitoring system for each diver
- Color backlit touch buttons for low-light operation
- Primary 1TB hard drive recording system
- Secondary 1TB backup recording system
- HDMI and USB output ports for video export and monitoring



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