

Name

Date

_Calibration Checklist

O₂ Sensors Manufacture Date

Sensor 1 (Galvanic)	Sensor 2 (Galvanic)	Sensor 3 (GF or Galvanic)

Analyze O₂

%

Recent IP check (~7 bar)	
Attach O ₂ reg to O ₂ bottle. Check all hoses and connections	
Check solenoid and MAV injection holes	
Fit calibration cap to head	
Pressurize O ₂	
Verify Handset/HUD dive mode and pairing	

Battery Check

Handset	CCR Head	GF O ₂ Sensor	HUD
	%	>2.6v	%

Start calibration sequence (hold CCR button for 7 seconds)	
When prompted, turn off O ₂	
Remove calibration cap when “Check Air” shows	
Confirm calibration successful (no error messages afterwards)	
Remove O ₂ Bottle	

_Assembly Checklist

Calibrate O ₂ sensors	
Check scrubber bolts and sponge	
Fill the scrubber	
Fit sponge and mesh	
Check scrubber O-ring	
Insert scrubber into canister. Check for proper orientation	
Check scrubber injection holes	
Check head O-rings and O ₂ injection holes	
Attach head to scrubber	
Attach MAV feed to head	
Fit unit into bag and check O ₂ straps	
Install BOV/ADV (OC mode)	
Fit diluent feed hose and verify routing	
Check O-rings at counterlung attachment	
Attach counterlungs	



Fit bag to BOV/ADV	
Route OPV string	
Attach O ₂ cylinder (keep O ₂ turned off)	
Attach O ₂ regulator to the bottle	
Check loop one-way valves	
Visually inspect mouthpiece	
Inspect loop O-rings	
Fit loop and verify it's secure	
Check mouthpiece and breathing hose rotation	
Switch BOV/ADV to CC	
Perform negative check (O ₂ depressurized)	
Perform positive check (O ₂ depressurized)	
Place inhalation lung over BOV/ADV	
Close bag zipper and Velcro	
Turn on handset and HUD	
Turn on O ₂ bottle	
Confirm handset and HUD receive O ₂ values	
Check O ₂ pressure	
Test BOV/ADV functionality (OC/CCR)	
Check SP button operation (Auto, Low, High)	

If not diving now:

1_Turn off and depressurize O ₂	3_Switch to OC mode
2_Close DSV	4_Check head, handset and HUD power down

Onsite Checklist

■ Check battery levels
■ Check O ₂ pressure
■ Perform neg/pos checks (if transported since assembly)
■ Analyze DiI
■ Pressure Check DiI
■ Check DiI IP

Pre-Dive Checklist

Step	Item	Description
C	Controller & Connectivity	Cycle through setpoint and ensure solenoid action. Check dil feed hose, check if unit is fastened to diver, check HUD mounting, verify wireless connection with handset and HUD.
H	Handset/HUD	• Verify settings • Battery level • Hud mounting • Verify auto BO function
A	ADV	• Flow check valve • Check ADV in OC mode • Diluent flush → O₂ addition • Check ADV works in both standard and CC+ modes
O	Oxygen	• Pressure check • MAV O₂ addition
S	System	SP 0.5 stability check for 4 mins

