

ACUTEL, INC.

OWL AVIATION OXIMETER

Label Descriptions

VOLUME.....	Adjusts the sound level from the oximeter to the pilot's headphones. Does not adjust the volume from the aircraft radios.
SENSOR.....	Connector for oximeter sensor.
PILOT HEADPHONES.....	Connector for pilot's headphones.
AIRCRAFT HEADPHONE JACK...	Connector to headphone jack in aircraft.
LOW BATTERY.....	Light for indicating low battery condition. Audible alert will be sounded in headphones.
SpO ₂ CHECK.....	Button for instant oximeter reading.
ON / OFF.....	Power switch.

Definitions

Hypoxia	Deficiency of oxygen to living tissues. Symptoms include headache, nausea, tingling skin, fatigue, dizziness, visual impairment and euphoria.
SpO ₂	Blood oxygen saturation. The oximeter tells you what percentage of your hemoglobin molecules are carrying oxygen.

Instructions for use

Ensure the batteries are replaced or checked for sufficient power prior to use of the oximeter unit. This unit uses 2 AA alkaline or rechargeable NiMH or NiCAD batteries. To insert or replace batteries, remove battery door on back of the unit by pressing down and sliding the door toward the bottom of the unit. Insert batteries according to the diagram on the bottom of the battery compartment. When switching the unit on, the low battery light will come on for one second, then turn off if the batteries are sufficiently charged.

Insert the headphone plug of the pilot's headphones in the receptacle on the OWL labeled 'PILOT HEADPHONES.' Then insert the plug from the OWL labeled 'AIRCRAFT HEADPHONE JACK' into the aircraft headphone jack. The oximeter sensor is connected to the unit through the connector labeled 'SENSOR.'

Turn the aircraft radios and oximeter unit on and adjust the volume of the oximeter unit by turning the volume control until the oximeter unit can be heard and the radios can be heard without interference of either signal. To hear the oximeter "speak," press the 'SpO₂ CHECK' button. IT IS IMPORTANT TO DO THIS BEFORE operating the aircraft radios in any phase of flight as to avoid any communication interference.

Insert finger into the oximeter sensor and wait approximately 5 seconds before pressing the 'SpO₂ CHECK' button in order to obtain a saturation reading. The oximeter unit will remain silent unless the 'SpO₂ CHECK' button is pressed or an alert message is sounded.

The oximeter unit will provide the following alerts every 30 seconds:

- "Caution" for oxygen saturation 90% to 86%
- "Warning" for oxygen saturation 85% and below
- "Caution" for oximeter sensor disconnected (immediate) and/or finger removed from sensor (after 90 seconds).
- "Caution" for low battery condition (the LED on the front of the unit will also flash).

Precautions

- Do not use a combination of rechargeable and alkaline batteries in the oximeter.
- Do not use old, leaking, or overcharged batteries.
- Use only Acutel supplied oximeter sensors.
- Follow instructions provided for cleaning the sensor.
- Do not use any solvents or submerge unit into liquids. Wipe with soft, dry or moist cloth.
- Do not use this unit if it has been dropped or mishandled. If the unit should be damaged, please contact customer support for repair. Do not attempt to repair this unit yourself. It must be repaired by Acutel or a designated repair facility.