

# O<sub>2</sub> Conserver Checker ✓

## Quick Start Guide

### Description

The O<sub>2</sub> Conserver Checker can easily be used to test several key performance functions of supplemental oxygen systems. It simulates an inhale to test demand type pulse oxygen systems and measures the amount of oxygen delivered in the pulse. The volume of oxygen delivered can be compared to manufacturer specifications for the device to see if it is providing the proper oxygen dose with each breath. When used with portable concentrators, the oxygen sensor measures the oxygen concentration. The trigger pressure is the pressure required to trigger a pulse of oxygen on demand type devices. This pressure is measured and it gives an indication of how sensitive the device is and if it will detect shallow breathing or a cannula that is not well placed. Many conserver type devices also have a continuous flow mode and the O<sub>2</sub> Conserver Checker can measure the delivered oxygen flow rate in the continuous mode. This can also be used to check the oxygen flow rate of basic continuous flow systems like stationary concentrators or standard flow meters.

### Connections and Startup

Connect the supplied power cable to the power jack on the Conserver Checker and to the USB power supply. The system should power up and display a sign on message.

**Be sure that the connection port is not connected to anything during the startup process.** The system needs to make sure the oxygen sensor is reading room air during the startup.

After the initial startup is complete connect the supplied oxygen tube to the barb port on the side of the Conserver Checker and connect the other end of the tube to the outlet port of the device being tested.

The breath rate after power up will be set to 20 BPM. To change the breath rate pressure the up or down switch on the left side. The current breath rate will be shown briefly in the display. The breath rate can be adjusted from 10 to 40 BPM.

### Measured Values

The trigger pressure in cmH<sub>2</sub>O will be displayed in the first line. This value will ramp up and then stay at the measured trigger pressure when a pulse is delivered.

If the device is in the pulse mode, the volume of the oxygen pulse will be displayed on the second line.

If the device is in a steady flow mode, the flow rate will be displayed in place of the pulse volume.

The measured oxygen concentration will be displayed at the end of the second line.

For additional information refer to the Operating Instructions.