

O₂ Conserver Checker

The O₂ Conserver Checker is a small portable test device that can be used to check several functional measurements on portable conservers, continuous flow oxygen systems and portable oxygen concentrators. The device will simulate a breath and the volume of oxygen delivered in the pulse will be measured. After the pulse is complete the trigger pressure and oxygen volume delivered in the pulse will be displayed on the LCD display. O₂ concentration will also be displayed on model 100029.



When continuous flow is detected, the system will switch to a continuous flow measurement and display the steady flow rate in liters per minute.

Features

- Automatically triggers conserver type devices at user selected breath rate from 10 to 40 BPM.
- Measures pulse volume and trigger pressure in pulse mode.
- Displays the average of a several readings of pulse volume and O₂ concentration.
- Measures flow rate in continuous mode.
- Pulse graph display mode shows the pulse waveform shape.
- Bluetooth communication to optional PC software for graphing, data collection and test reports.

Applications

- Check operation of conservers and portable concentrators to verify proper operation.
- Service and repair centers can use this to verify proper operation after a repair.
- Automatic cycling of a device to check for proper concentrator function.
- DME's can check performance before supplying a device to a new customer.
- Provide a fee based service for functional checking of devices for end users.

Conserver Checker Specifications

Trigger pressure range:	-0.025 to -0.80 cmH ₂ O (-2.45 Pa to -78.4 Pa)
Flow Measurement:	0.4 to 17 LPM ±5% or 0.1 LPM whichever is greater
Volume:	±5% of measured value or 1 ml whichever is greater
Oxygen Concentration:	20% to 96% ±1.5%
Size and weight:	7" x 4.5" x 2.5" (117mm x 115mm x 63mm) 1 lb. (454 g)

For pricing and purchasing options contact Aaron Dirks at aaron@dirksinstruments.com