

SMARTDOSE

THE MIND OF THE MECHANISM.



Inspired
technologies[®]

SmartDose™
keeps your mind
on what matters.



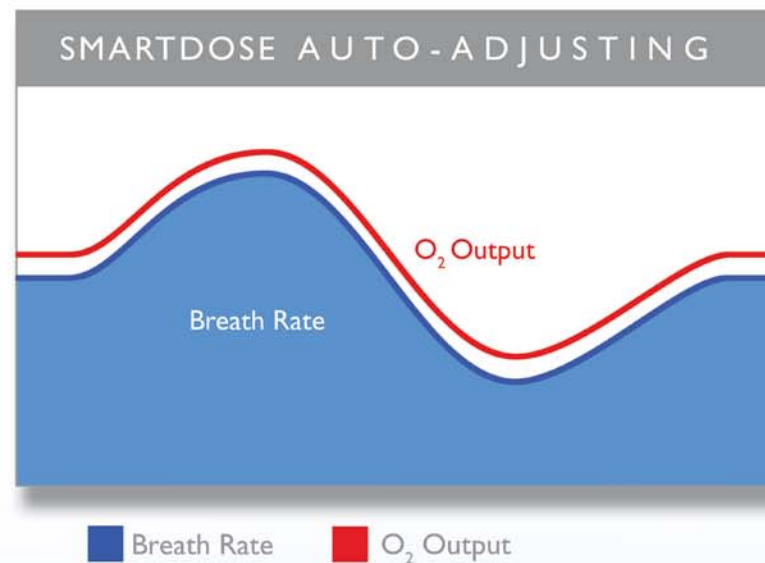
SmartDose Auto-Adjusting Intelligent Technology.

It's what separates Inspired Technologies' portable oxygen system from every other portable on the market. Without SmartDose, your patient is forced to focus on their device. And if they're forced to focus on their device, they're forced to focus on their illness.

SmartDose continuously monitors breathing patterns, and adjusts dosing to match activity at every single breath.

At the same time, SmartDose achieves maximum conservation efficiency by automatically adjusting the dose down at lower activity. By eliminating excess dosing, SmartDose eliminates waste, and gives the user more precious moments to enjoy life away from home.

SmartDose uses a unique microprocessor and pressure transducer to monitor oxygen requirements for every breath. Sophisticated algorithms instruct the multi-valve mechanism to deliver the oxygen dose required by the user at any activity level. Fixed-dose devices, on the other hand, are indiscriminate, and lack the technology necessary to monitor user requirements or automatically adjust dosing. Most often, other devices deliver too little oxygen during activity and too much during rest. On fixed-dose devices, patients experience far more frequent incidences of breathlessness.



SmartDose Auto-Adjusting automatically increases and decreases oxygen delivery to help keep the patient saturated and conserve supply, without requiring the user to manually adjust the unit.

SmartDose also provides information to clinicians and dealers about usage patterns, breath rates, and activity. Microprocessor data is captured to an on-board SD Card that can be removed and reviewed on any personal computer. This data is invaluable in providing a clearer understanding of how the unit is being used, and aiding the patient in maximizing the benefits and freedom their portable can offer.

SmartDose is available for both liquid and gas cylinder applications.

Because SmartDose better maintains oxygen saturation, the user is better able to participate in conditioning exercises. This decreased work of breathing not only improves their quality of life, it reduces stress on the organs, and ultimately increases longevity. SmartDose takes your patient's mind off their device so they can focus on what really matters; living with COPD, with the emphasis on living.

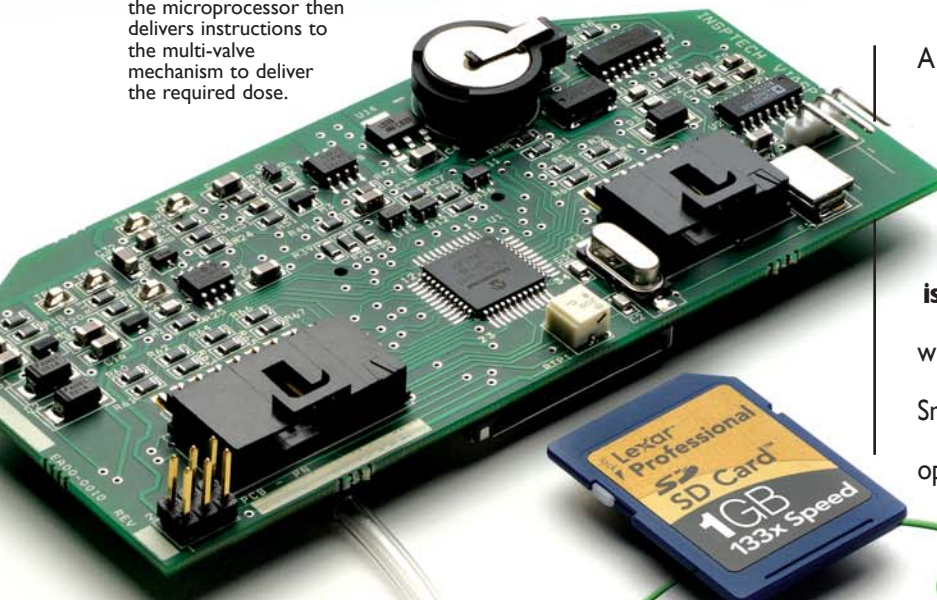
For more detailed information, including SpO₂ and Heart Rate, the CODR™ (Clinical Oxygen Dose Recorder) provides clinical data on every breath. The CODR is an in-line device that can be used with any oxygen delivery device—dosed or continuous flow—or with no oxygen for

a patient baseline. The CODR data can be wirelessly RF transmitted to a computer, or captured to a simple SD card and accessed at any time. Proprietary software enables the clinician to graph and analyze data on any PC.



The genius behind SmartDose.

SmartDose utilizes a microprocessor-controlled pressure transducer to precisely determine the user's oxygen requirements for each breath. Using sophisticated algorithms, the microprocessor then delivers instructions to the multi-valve mechanism to deliver the required dose.

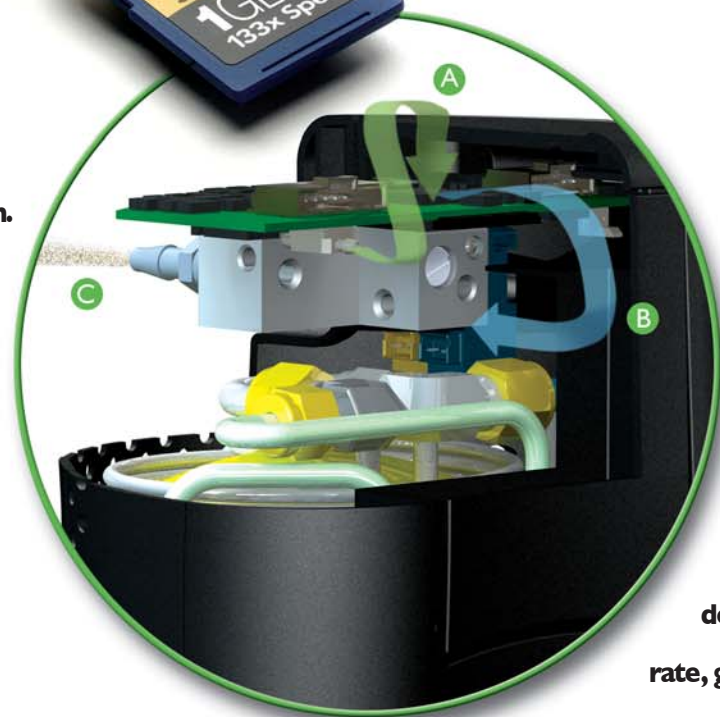


Auto-adjusting is what puts SmartDose in a class of its own.

No other portable on the market incorporates the necessary intelligent technology that enables SmartDose to automatically and continuously monitor and adjust dosing according to the user's demand.

The brain behind SmartDose is a microprocessor that constantly monitors and interprets the pressure transducer. This microprocessor monitors the user's requirements for each and every individual breath.

Using sophisticated algorithms, instructions are instantaneously sent to the multi-valve mechanism to deliver the appropriate oxygen dose.

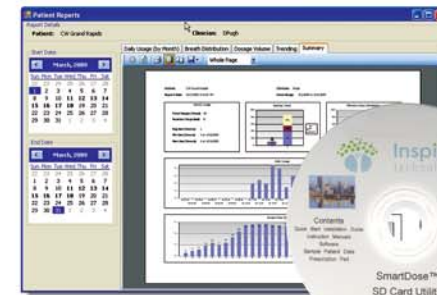


A second technological distinction that only SmartDose offers is a unique multi-valve mechanism. **Utilizing one 4 LPM valve and one 8 LPM valve, SmartDose can deliver the necessary doses from either valve in isolation, or both valves in combination.** In conjunction with the microprocessor-controlled pressure transducer, SmartDose always delivers at the lowest flow for quiet operation. With this multi-valve configuration, the right volume

- A 4 LPM Flow
- B 8 LPM Flow
- C COMBINED 12 LPM Flow

of oxygen is delivered at the lowest flow option to fit the dose to the user's breath rate, giving a quiet and comfortable dose during rest, but allowing larger doses to fit into the first 2/3 of the inhale when active.

Every breath at your fingertips.



SmartDose proprietary software enables viewing, graphing and analyzing of patient data within numerous field views.

The unit captures usage data over time, breath rate data, dosing data, and with the Inspired Technologies' software, it can all be viewed and printed in graphical form.

For additional information including oximetry and heart rate, the **CODR can be placed in-line with ANY oxygen source to adjust users to a unit, or to help manage difficult patients.**

Data can be sent via wireless RF

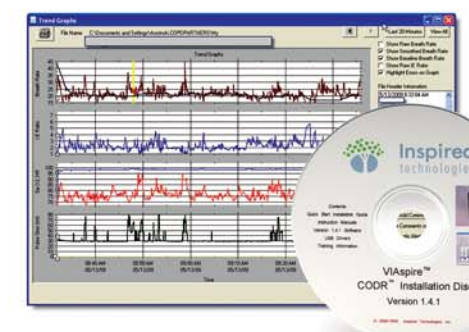


The SmartDose portable can capture an estimated 5 years of data onto a 1GB SD Card.

The many benefits that SmartDose offers don't end with the end user. **SmartDose enables clinicians to capture data from every breath to an on-board SD Card.**

transmission to a remote PC within the clinical environment, or to a simple SD memory card. Utilizing the CODR (Clinical Oxygen Dose Recorder), the clinician is free to monitor the patient rather than monitoring and recording an oximeter.

Detailed information enables dealers to assist in the treatment of difficult patients, and offer distinct differentiating benefits to the referring physician or rehab clinics by providing information that has not previously been



available. With Inspired Technologies' CODR, a **breath-by-breath stream of data is available to manage patients, without manual recording.** The unit is simply powered up and begins to collect a file of the test that can be printed out in various forms.

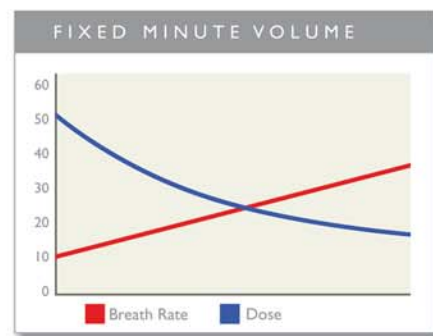
For complete information on the CODR, go to www.inspiredtechnologies.com



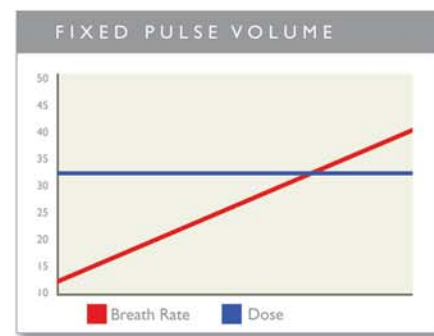
CODR works with any oxygen source, and captures user data to a simple SD card, or via wireless RF transmission.

A new movement in personal oxygen systems.

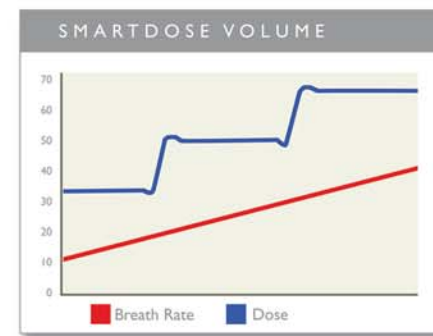
There are times when there simply is no equal. **No other oxygen conserver is capable of delivering the saturation performance and conservation efficiency of SmartDose.** At best, competitive conservers deliver the same oxygen dose at every breath, regardless of user need. At worst, they deliver less oxygen as the user requires more. With fixed-dose conservers, patients more frequently experience sensations of “breathlessness.” These periods of desaturation stress vital organs, limit ambulation, and ultimately decrease longevity.



Constant-minute volume devices decrease oxygen as breath rate increases. Minute volume is fixed, so more breaths equal smaller doses. As need grows, the dose drops.

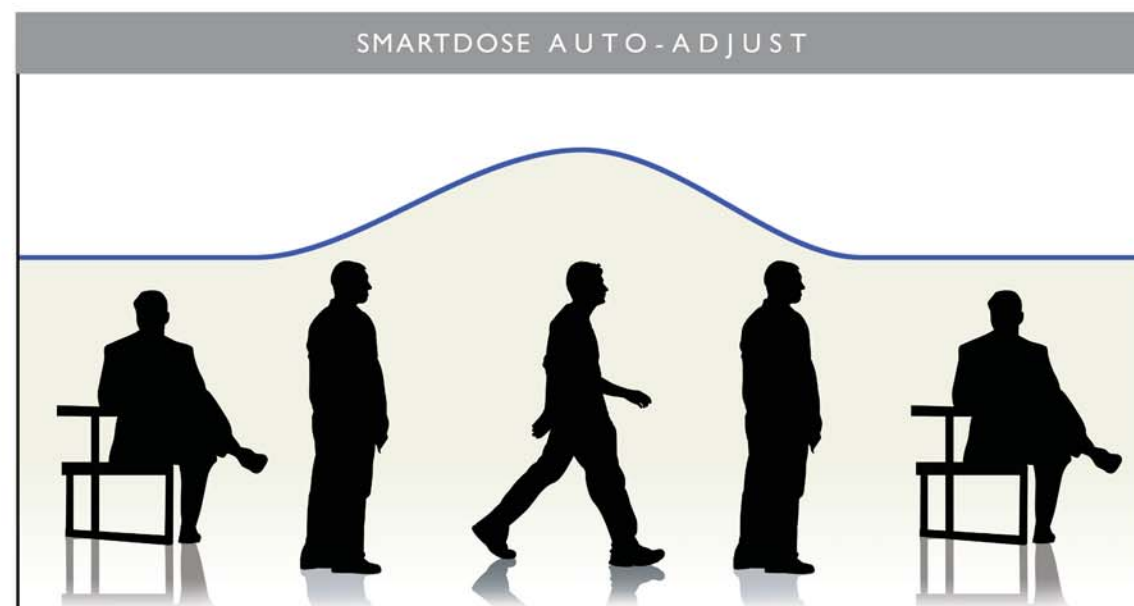


Fixed-dose conservers hold per-breath dose even. Though better than constant-minute units, there is still no intelligence. Setup is good at rest or at exercise, so settings are right only part of the time.

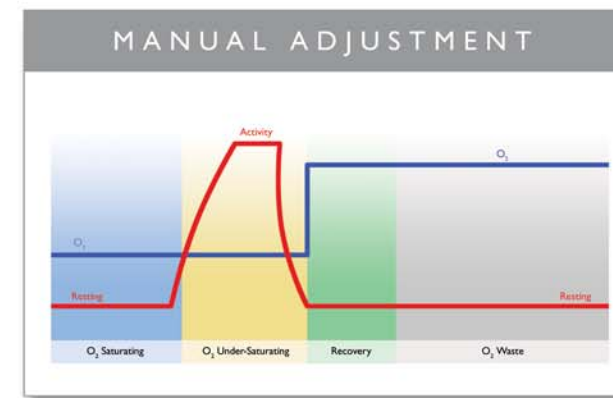


SmartDose doesn't dumb down the dose to a fixed-minute volume or a fixed-dose volume. SmartDose monitors the patient and adjusts to their breath rate, giving more or less as needed.

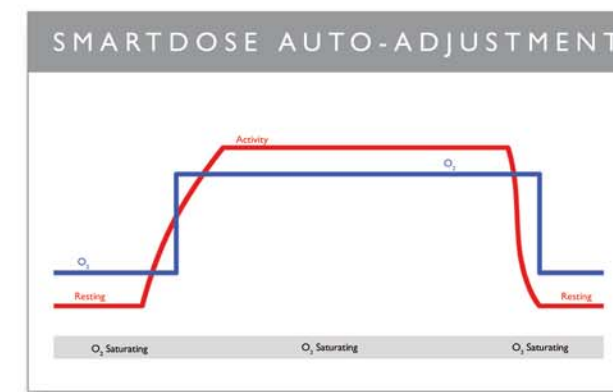
Delivering dosage at a mean average frequently starves the user when increased flow is required, and wastes oxygen when a mean average dose is greater than required. **Only SmartDose automatically monitors and adjusts dosage based on the user's activity level.**



SmartDose delivers the ideal balance of saturation and conservation. When oxygen requirements are low, SmartDose reduces output so that oxygen isn't wasted. When requirements increase, SmartDose delivers a dose adequate to keep the user properly saturated. Because the entire process occurs automatically, patient involvement with the device is greatly reduced.



Other products require constant manual adjustment. Unfortunately, most patients are not proficient at this task. Once moving, they get breathless before thinking to increase oxygen output. At that point, they are too depleted to continue their activity, so they rest. At rest, they tend to leave oxygen flow higher than necessary. The end result is undersaturation during exertion, and oversaturation with wasted oxygen at rest.



With SmartDose, the unit recognizes exertion changes very quickly and adjusts the dose accordingly. The user's dose is continually matched to their exertion level, so they are less likely to get breathless and can continue to ambulate. When their activity is finished, the unit adjusts back down quickly to minimize waste.

Inspired by Intelligent Technology.



Inspired Technologies, Inc.® was formed by a group of seasoned industry professionals with a combination of over 60 years experience in respiratory homecare products. The company's focus has been on providing improved methods of treating COPD—one of the largest and relatively underestimated disorders affecting more than 1.5 million patients in the US alone. Inspired's commitment to total therapy throughout the breadth of treatment has led to innovative products, like the CODR, helping to understand and view patient/equipment performance.



The company's flagship technology is its SmartDose™ Oxygen Delivery system, which can be used on liquid or gas oxygen systems to better treat COPD. SmartDose auto-adjusts to the patient need to find that elusive balance between good treatment and maximum ambulation time on their portable device.



SmartDose.

The new gold standard.

SmartDose Auto-Adjusting Intelligent Technology is integrated exclusively into the full line of Inspired Technologies' gas and liquid portable personal oxygen systems.



SmartDose SD

Model: 350G

Features:

- Auto-Adjusting SmartDose
- Multi-Valve mechanism
- Use with any 870 pin index cylinder
- SD Card data output

Power:

4 AA NiMH batteries
Charger included

Weight: 1.4 lb.



SmartDose Mini

Model: 300G

Features:

- Auto-Adjusting SmartDose
- Multi-Valve mechanism
- Use with any 870 pin index cylinder

Power:

2 AA NiMH batteries
Charger included

Weight: 1.1 lb.



SmartDose LOX Portable

Model: 301P / 601P

Features:

- Auto-Adjusting SmartDose
- Multi-Valve mechanism
- SD Card data output
- Top fill LOX coupler

Power:

4 AA NiMH batteries
Charger included

Weight (full): 3.9 lb. / 5.4 lb.

Capacity: 0.33 L / 0.625 L



Clinical Oxygen Dose Recorder (CODR)

Model: 300CR

Features:

- Wireless RF data
- SD Card data capture
- Use with any O₂ source
- Finger or forehead oximetry sensors
- Software included

Power:

4 AA NiMH batteries
Charger included

Weight: 1.0 lb.

Ordering Information:

MODEL	PART NUMBER	DESCRIPTION
301P	CTPT-3L99	SMARTDOSE 300ML LOX PORTABLE
601P	CTPT-6L99	SMARTDOSE 600ML LOX PORTABLE
300CR	CTCR-IP01	CODR, IPOD
300CR	CTCR-IPPC	CODR, IPOD, LAPTOP
300CR	CTCR-XP01	CODR, XPOD
300CR	CTCR-XPPC	CODR, XPOD, LAPTOP
350G	CTOX-SD01	SMARTDOSE GAS - SD Card
300G	CTOX-MN01	SMARTDOSE GAS - MINI
	CTVU-0000	SMARTDOSE UTILITY SOFTWARE w/5 SD Cards
	CTSD-1G5P	SD CARDS - QTY OF 5
	CTBT-04CH	AA BATTERIES (QTY 4) AND CHARGER
	CTBT-16BT	AA BATTERIES QTY OF 16



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