

Smart Check

The Ultimate Oxygen + Flow + Pressure Analyzer

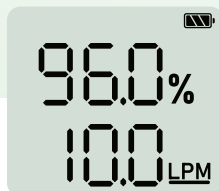
Item#
RES7003

Portable, handheld oxygen analyzer designed specifically for **testing** and **maintaining** oxygen concentrators



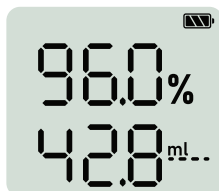
Smart Check Analyzes:

Continuous Concentrators



Measure Oxygen & Flow Rate

Pulse Mode Concentrators



Measure Oxygen & Pulse Volume

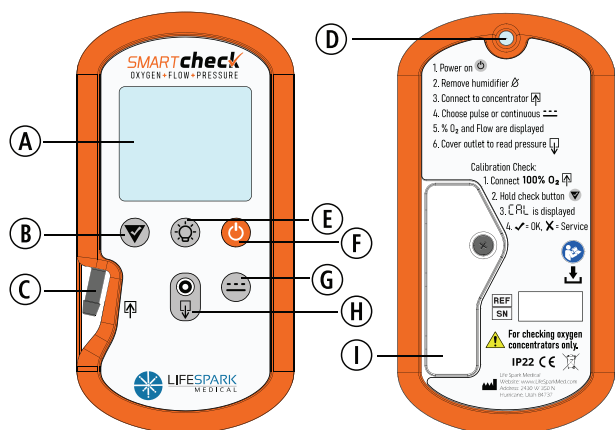
Pressure



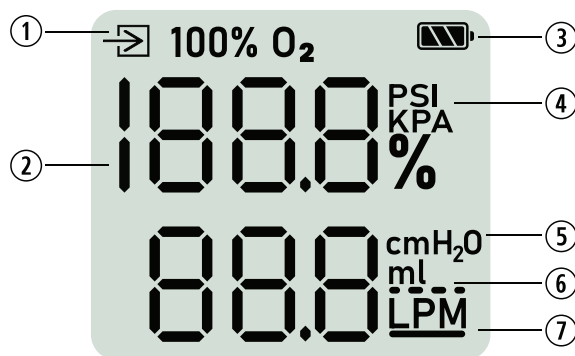
Measure Pressure:
Concentrators, CPAP,
BiPAP & Nebulizers

	SMART check	UltraMax O2	Pro2 Check Elite
Measure Oxygen & Flow	✓	✓	✓
Test Pressure	✓	✓	✓
Quick Touch Pressure Check	✓	✓	✗
Calibrated for Life	✓	✓	✗
Test Pulse Concentrators	✓	✗	✗
Test CPAP + Nebulizer	✓	✗	✗
Flashlight	✓	✗	✗
Backlight	✓	✗	✗
Tube Management	✓	✗	✗
Fast Environmental Response	✓	✗	✗
Cost	\$	\$\$\$	\$\$

The Ultimate Oxygen + Flow + Pressure Analyzer



- Ⓐ LED Display
- Ⓑ Calibration Check Button
- Ⓒ Sample Inlet
- Ⓓ Flashlight
- Ⓔ Flashlight On/Off Button
- Ⓕ Power On/Off Button
- Ⓖ Mode Button
- Ⓗ Sample Outlet
- Ⓘ Battery Cover



- ① Feed 100% O₂ Indicator
- ② O₂ Percent Display (%)
- ③ Battery Indicator
- ④ Pressure Unit (PSI or KPA)
- ⑤ Displaying Low Range Pressure (cmH₂O)
- ⑥ Displaying Pulse Volume (ml)
- ⑦ Displaying Continuous Flow Rate (LPM)

TECHNICAL specifications

Dimensions.....	75 x 147 x 27 mm (2.95 x 5.79 x 1.06 in)
Weight.....	0.23 kg (0.5 lbs.)
Battery Life.....	1 year typical use (>16k read cycles)*
Battery Type.....	2 replaceable AA batteries
Operating Temperature.....	5° - 40°C (59° - 104°F)
Storage Temperature.....	-25° - 70°C (5° - 140°F)
Auto Shutoff.....	2 minutes
Atmospheric Pressure.....	700 - 1060 hPa absolute**
Humidity.....	0 - 90% (non-condensing)
Pressure Units.....	PSI, kPa, cmH ₂ O
Sample Rate.....	Continuous Mode: 1 Hz Pulse Mode: 19.2 Hz
Response Time.....	10 seconds
Start-up Time.....	2.5 seconds

*Read cycle estimate is without backlight use. 1 year estimate includes occasional use of the backlight/flashlight. The backlight and flashlight consume power 10x faster than the analyzer alone. Using the backlight constantly will significantly reduce battery life.

**The Smart Check automatically compensates for changes in barometric pressure to maintain accuracy.

Specifications Concentration Mode

Range (concentrator).....	20.9 - 96%
Range (pure O2).....	20.9 - 100%
Accuracy.....	±1.5% full scale
Resolution.....	0.10%

Specifications Flow Mode

Range.....0 - 10 LPM volumetric
Resolution.....0.1 LPM
Accuracy.....±0.2 LPM

Specifications Pulse Mode

Range.....	3 - 200 ml
Resolution.....	0.1 up to 100 ml, 1 above 100 ml
Accuracy.....	±3 ml

Specifications Pressure Mode

Range.....High: 0 - 40 PSI (0 - 275 kPa)
.....Low: 3 - 70 cmH₂O
Resolution.....PSI and cmH₂O: 0.1
.....kPa: 0.1 up to 200, 1 above 200
Accuracy.....High: ±0.5% of reading
.....Low: ±0.3 cmH₂O

To order or request information

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