

Wireless Ethanol Sensor

P/N: PS-4252

The Wireless Ethanol Sensor measures the concentration of gaseous ethanol up to 3%. In biology and environmental science labs, students can learn about anaerobic respiration by measuring the production of ethanol by bacterial or yeast fermentation. Physics students can begin to explore combustion and thermodynamics. Chemistry students can compare vapor composition over simple solutions. Connect your students to studies of fermentation, respiration, solutions, and generation of alternative energy sources with the wireless Ethanol Sensor.

Note: This is a gas sensor - it should not be submerged in liquids. If exposed to gases with ethanol concentrations above the recommended maximum of 3% the sensor element's life span can be shortened.

What's Included

- 1x Short segment of Teflon tape
- 1x Polyethylene bottle for calibration
- 1x USB C charging & communication cable

Product Specifications

Accuracy	± 2%
Rated Range (w/o shortening lifespan)	0 to 3% gaseous ethanol
Auto Shut-Off	1 hour
Resolution	0.01%
Cross Sensitivities	H ₂ , CO, CH ₄ , Isobutane
Battery Type	Rechargeable LiPo
Battery Capacity	300 mAh
Logging	Yes
Connectivity	Bluetooth 5.2
Waterproof	no (splash resistant), use teflon tape over sensor
Probe diameter	12 mm

Probe length

11 cm

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