

# Platypus H<sub>2</sub>S Dosimeter™

The smart choice for Industrial Hygienists\*

**Platypus H<sub>2</sub>S Dosimeters™ are wearable, lightweight, and power-free tools for personal exposure monitoring.**

Don't wait for lab results, or pay extra for pumps and or clumsy tubing. With the Platypus H<sub>2</sub>S Dosimeter™, you simply clip it on your lapel, go about your day, and read your exposure level at the end of your shift.

*Platypus also offers an electronic reader that can automate and record measurements for large exposure assessments.*

**Easy to wear**

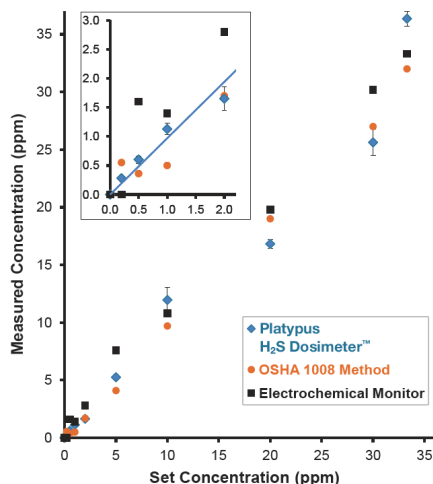
**Easy to read**

## Features:

- **High accuracy** - exceeds accuracy of OSHA/NIOSH method\*
- **No calibration** or sampling with pump/tube required
- Immediate, **on-the-spot results** eliminate the need for lab analysis
- **No interference** from SO<sub>2</sub>

## Specifications:

<b>Concentration Range</b>	0.2 ppm to 100 ppm
<b>Sampling Time</b>	2 hrs. to 12 hrs.
<b>Sampling Mechanism</b>	Continuous sampling
<b>Standard Error</b>	±5% (For doses between 2 to 80 ppm x hr and sampling times between 2 - 12 hr.)
<b>Sensor Type</b>	Liquid Crystal
<b>Detection Principle</b>	H <sub>2</sub> S bind to reactive surface; liquid crystal reports presence of H <sub>2</sub> S on surface
<b>Color Change</b>	Black to Clear
<b>Dimensions</b>	3.3" x 1.1" x 0.3" (83 x 28 x 7.5 mm)
<b>Weight</b>	0.5 oz. (14g)
<b>Temperature Range</b>	23 to 122 °F (-5 to 50 °C)
<b>Humidity Range</b>	0 to 90% RH
<b>Humidity Correction</b>	Not Required
<b>Temperature Correction</b>	Not Required
<b>Known Interferents</b>	Methyl Mercaptan
<b>Shelf Life</b>	12 months (refrigerated); 1 month (at 22 °C)



H<sub>2</sub>S concentrations derived from Platypus H<sub>2</sub>S Dosimeter™ readings (dose ÷ hours exposure) closely match H<sub>2</sub>S concentrations determined using the OSHA 1008 method and electrochemical monitors. Linearity of Platypus H<sub>2</sub>S Dosimeter™ measurements is far superior below 5 ppm (inset).

## Our Customers:



## Testimonials:

*"I used [Platypus H<sub>2</sub>S Dosimeters™] to measure dozens of full-shift worker exposures. I was impressed with the accuracy, ease of use, and worker appreciation. With no pump flowrate or gas calibration, the Platypus Dosimeter can be used quite easily by almost anyone."*

**- Industrial Hygienist at Shell Refinery**

\*For accuracy of Platypus H<sub>2</sub>S Dosimeter™ vs OSHA 1008 method, see data published in Journal of Occupational and Environmental Hygiene, 11: 741 – 750. 2014



**PLATYPUS**  
TECHNOLOGIES

Pioneering new frontiers  
in chemical and biotech  
measurements

## Ordering Information:

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