



# Overview *CUB Personal VOC Monitor*

## General Description:

The Ion Science CUB is a direct-reading instrument (DRI) that provides real-time volatile organic compounds (VOC) measurements, is wearable (badge) and includes optional alarm signals when exposure exceeds preset limits.

The CUB units are being evaluated/tested as part of the Vapor Monitoring and Detection Project's pilot-scale testing. The units will be used to provide real-time on-the-person indication of tank farm chemical vapors. The units will also be compared to other selected wearable DRIs. The CUB data will not be available to the plant software (TFMCS, OPSI/PI, or SAFER Systems) in real time but will be available to the plant software once the data is stored for evaluation. However, the recorded data may be considered as part of a broader vapor-program evaluation.

## Capabilities/Features:

- VOC measurement (ppb) 10.6 eV
- Range of 0.1 to 5,000 ppm and 0.001 ppb to 5,000 ppm
- Accuracy of +/- 5% display reading + one digit
- Battery life up to 16 hours with 4-hour charging time
- Two-point calibration via docking station
- Wall charging
- Alarm: LED, audio (86db @ 300mm), vibrate
- Belt attachment
- 3.91 ounces
- 2.4 X 2.6 X 2.3 inches



Click to see a video.

Contact:  
WRPS External Affairs  
wrpsadmin@rl.gov

For more information:  
[www.hanfordvapors.com](http://www.hanfordvapors.com)  
[www.wrpstoc.com](http://www.wrpstoc.com)



washingtonriver  
protectionsolutions