

Item No	586	ChemDisk™ Monitor for Ozone	Prepared by	SCW
Edition	10/4/2010		Approved by	CRM

The ChemDisk™ Personal Monitor is designed to measure exposure to chemicals in order to demonstrate workplace compliance with Permissible Exposure Limits (PELs) and Short Term Exposure Limits (STELs) defined by the Occupational Safety and Health Act of 1970 and Title 29 Code of Federal Regulations.

This **Technical Insert** contains product specific information on use and storage.

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<b>Sampling Medium:</b>	Fiberglass impregnated with sodium nitrite
<b>Analyte Sampled:</b>	Ozone (O <sub>3</sub> )
<b>Analytical Method:</b>	Modified OSHA ID-214: The reaction of ozone and nitrite produces nitrate ion which is extracted with deionized water and analyzed by ion chromatography (IC)
<b>Recommended Sampling Time:</b>	PEL = 8 hrs or full shift Functional Range: 15 minutes – 8 hours
<b>Recommended Holding Time:</b>	Monitors must be received by Lab <b>within two (2) weeks after sampling.</b>
<b>Sample Capacity:</b>	2 ppm for 8 hour sample (16 ppm-hrs)
<b>Detection Limit (DL):</b>	0.007 ppm for 8 hour sample (0.06 ppm-hrs)
<b>Sampling Rate (SR):</b>	15.2 mL/min
<b>Interfering Substance(s):</b>	Sulfur dioxide
<b>Effect of Temperature:</b>	Effect on result ≤ 5% within 0 - 50°C (32 - 122°F)
<b>Effect of Humidity:</b>	Functions as claimed within 10 - 80% RH.
<b>Accuracy (MTE):</b>	Meets or exceeds OSHA requirements for accuracy: Maximum Total Error (MTE) ≤ 25% at PEL
<b>Storage Conditions:</b>	Store under <b>refrigerated conditions</b> for maximum shelf life.  Do Not Use after Expiration Date printed on pouch.
<b>IMPORTANT:</b>	Warranty valid only if <b>Instructions for Use</b> have been followed.
<b>WARNING:</b>	Wash affected area thoroughly if Sampling Medium is contacted.

For detailed directions, see **Instructions for Use** included in each package of Monitors.

For detailed information about the ChemDisk™ Personal Monitor, refer to [www.assaytech.com](http://www.assaytech.com) or

call **TOLL FREE NUMBER 1-800-833-1258**