

## TECHNICAL INSERT

Item No	584	ChemDisk™ Monitor for	Prepared by	SCW
Edition	11/23/2009	Ammonia	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.

9159-584 11/09

<b>Sampling Medium:</b>	Fiberglass coated with sulfuric acid
<b>Analyte Sampled:</b>	Ammonia
<b>Analytical Method:</b>	Modified OSHA 188: Desorption in sulfuric acid; analysis by Ion Selective Electrode (ISE)
<b>Recommended Sampling Time:</b>	STEL= 15 min; PEL=8 hours 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>	100 ppm for 8 hour sample (800 ppm-hrs)
<b>Detection Limit (DL):</b>	0.4 ppm for 8 hour sample (3.2 ppm-hrs) 12 ppm for 15 min sample
<b>Sampling Rate (SR):</b>	16.32 mL/min
<b>Interfering Substance(s):</b>	Ammonium salts and volatile amines may interfere.
<b>Effect of Temperature:</b>	Effect on result $\leq 5\%$ 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) $\leq 25\%$ at PEL; $\leq 35\%$ at STEL
<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>	Sampling Medium contains sulfuric acid; if contacted, immediately wash affected area thoroughly.

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.us](http://www.assaytech.us) or

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