

TECHNICAL INSERT

Item No	586	ChemDisk™ Monitor for	Prepared by	CG
Edition	Feb 2021	Ozone	Approved by	MDRP

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.

9159-586 02/21

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

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