TECHNICAL INSERT

Item No 575		ChemDisk™ Monitor for	Prepared by CG
Edition MARCH 2025		Nitrous Oxide	Approved by MDR Peralta

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.

9159-575 03/25

Sampling Medium:	Activated molecular sieves, 5 Angstrom pore size
Analyte Sampled:	Nitrous Oxide (N_2O)
Analytical Method:	AT SOP L575: Desorption with DI water; headspace analysis by Gas Chromatography with Electron Capture Detector (GC/ECD)
Recommended Sampling Time:	Sample for 8 hours Functional range: 1 - 8 hours
Recommended Holding Time:	Monitors must be received by lab **within two (2) weeks after sampling.**
Sample Capacity:	70 ppm for 8 hour sample (560 ppm-hrs)
Reporting Limit (RL): *AT Labs specific	0.5 ppm for 8 hour sample (4 ppm-hrs)
Sampling Rate (SR):	0.88 mL/min
Interfering Substance(s):	Halogenated anesthetic gases, CFC's, and HCFC's do not interfere.
Effect of Temperature:	Effect on result $\leq$ 5% within 0 - 50°C (32 - 122°F).
Effect of Humidity:	Functions as claimed within 10 - 80% RH.
Accuracy (MTE):	Meets or exceeds NIOSH guidelines for accuracy: Maximum Total Error (MTE) $\leq$ 25%.
Storage Conditions:	Store at controlled room temperature. 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

Call TOLL FREE NUMBER 1-800-833-1258 or Email: custservice@assaytech.com