

▶ ChromAir

Direct-reading passive colorimetric badge



Features

- Passive colorimetric badge for monitoring gas exposure (ammonia, chlorine, formaldehyde, glutaraldehyde, mercury, carbon monoxide, ozone)
- Lightweight and economical for workforce and work area monitoring
- Worn directly next to the respiratory tract
- No calibration or laboratory analysis required
- Immediate response to short-term exposure
- Provides the user with up to six exposure levels ranging from 1/10 to 2 times the Occupational Exposure Limit (OEL)
- Easy-to-read color change
- Patented design minimizes effects of humidity and velocity
- Optional color comparator available for formaldehyde and carbon monoxide
- Excellent quality/price ratio

Technical specifications

Gas	Measurement range	Interferants	Codification
Ammonia	4 - 300 ppm.hr	RNH ₂	380003-10
Carbon Monoxide	10 - 525 ppm.hr	Alkenes, H ₂ , H ₂ S	380008-10
Chlorine	0.4 - >13 ppm.hr	Br ₂ , HCl, I ₂	380004-10
Formaldehyde	0.3 - 12 ppm.hr	Acrolein	380007-10
Glutaraldehyde	0.04 - 0.95 ppm/hr	None Known	380017-10
Mercury	0.125 - 1.6 mg/m ³ .hr	Strong Oxidizers	380018-10
Ozone	0.08 - 1.6 ppm.hr	H ₂ O ₂ , NO ₂	380010-10

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Product description

The **ChromAir direct-reading passive colorimetric badge** is based on the diffusion principle and therefore requires no pump to operate. It is an individual equipment for monitoring exposure to toxic gases over exposure times for an eight-hour working period.

Unlike traditional dosimeter tubes, the patented design of **ChromAir badges** offers a short, constant diffusion path, independently of sampling time or gas concentration. This unique feature enables accurate results to be obtained immediately and throughout the sampling period.

In some contexts, monitoring exposure levels is the key to safe working conditions. The **ChromAir direct-reading passive colorimetric badge** is designed to detect specific toxic chemical exposure levels. Easy to use, accurate, economical and requiring no special technical skills or calibration, it detects the presence of gases even at very low concentrations by changing color.

ChromAir badges offer the user up to six exposure levels ranging from 1/10 to 2 times the occupational exposure limit value (OELV) for an eight-hour working period. The scale printed on the badges and color comparator is based on exposure level in parts per million per hour (ppm.hr).

For even greater resolution and accuracy, **ChromAir badges** can be used with a dedicated color comparator available for carbon monoxide and formaldehyde. The color scales of the comparator correspond identically to the colors formed on the badge.