

UME^x300 Passive Sampler

Workplace Ammonia Sampling Made Easy



KEY FEATURES

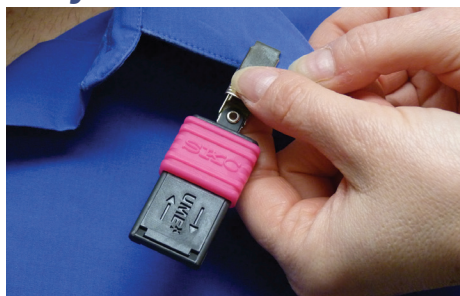
- Chemistry similar to active Methods OSHA ID-188 and NIOSH 6016
- Accurate, reliable occupational sampling and environmental monitoring
- No assembly required – simply move slide to sample
- Lightweight and clips easily in the breathing zone
- Economical
 - No pump or training required
 - Low-cost sampler
- Safe – no glass or sulfuric acid liquid in the sampler
- Enhanced sensitivity with documented 39.92 ml/min uptake rate for 15-minute, 8-hour, and 24-hour sampling
- Stand accessory available for area sampling
- UME^x Samplers are also available for formaldehyde/other aldehydes, amines, and sulfur dioxide/nitrogen dioxide – learn more at skcinc.com/passive-samplers



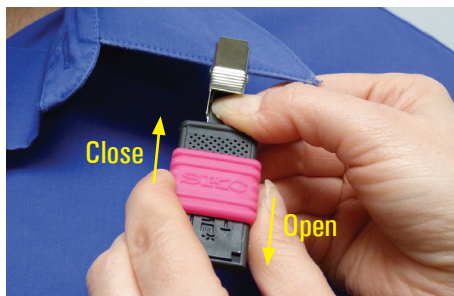
UME^x 300 Sampler with sliding cover in sampling position

The SKC UME^x 300 Passive Sampler accurately and reliably samples workplace ammonia exposure. With its documented 39.92 ml/min sampling rate and validated concentration range of 0.1 to 100 ppm, the sensitive UME^x 300 detects ammonia with a lower detection limit of 2.4 ppm for a 15-minute sample, 0.075 ppm for an eight-hour sample, and 0.025 ppm for a 24-hour sample. Each sampler contains a length of sulfuric acid-treated tape. Analysis is by ion chromatography (IC) with conductivity detection (CD) or visible absorption spectrometry (VAS) for the ammonium ion.

Easy to use!



Clip



Open to sample and close to stop



Ship



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More information



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PERFORMANCE PROFILE

Sampling Rate	• 39.92 ml/min with a relative standard deviation of 11.4%
Validated Concentration Range	• 0.1 to 100 ppm
Analysis Method	• Solvent extraction and ion chromatography with conductivity detection or visible absorption spectrometry
Lower Detection Limits	• 15 min: 2.4 ppm • 8 hrs: 0.075 ppm • 24 hrs: 0.025 ppm
Shelf-life	• Limited; check expiration date on packaging
Storage	• Before use: ≤39.2 F (4 C) • After use: Ambient temperature (72 F [22 C]) or ≤39.2 F (4 C) and analyze within 3 weeks
Accuracy	• ± 23.4%
Temperature Effects	• No effect on sampling rate from 22 to 40 C
Humidity Effects	• No effect from 20 to 80% relative humidity (RH)
Wind Velocity Effects	• No effect from 5 to 100 cm/sec
Interferences	• None identified
Dimensions	• 3.4 x 1.1 x 0.35 in (8.6 x 2.8 x 0.89 cm)
Weight	• 0.38 oz (10.9 gm)
Slide Cover	• Pink

APPLICATIONS/INDUSTRIES

Ammonia is one of the most commonly produced industrial chemicals in the United States. Workers can be exposed to ammonia in the following industries:

- Agricultural (fertilizers)
- Janitorial services (cleaners)
- Food and beverage (refrigeration and fermentation)
- Remediation
- Fuel
- Manufacturing (plastics, explosives, pesticides, textiles, dyes)

ORDERING

Available as Cat. No.

500-300 Passive Sampler for Ammonia, *†‡ 10 Pk

* Limited shelf-life.

‡ Requires storage at ≤ 39.2 F (4 C) before use.

Designed for single use only; Do not reuse.

Recommended Accessories

P20083 Treated Tape, for QC purposes only, 25 Pk

690-302 Stand for Area Sampling, ea

For additional details visit
[UME^x 300 Passive Samplers on our website.](#)