

Information Data Sheet

Detector Tube **CO-3000**

Part No. (US): **815507**

Part No. **D5086839**

1. Application

Detection of carbon monoxide (CO) in air or in technical gases.

2. Detector Tube Sampling Pump

KWIK DRAW (formerly MSA AUER) Gas-Tester® I/H, Gas-Tester® I / ThumbPump™-Sampler, Toximeter® II, Uniphos Kwik-Draw™-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

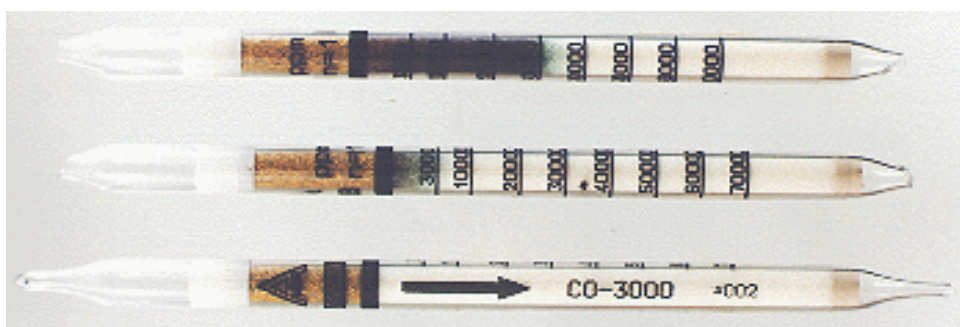
3. Measuring Range

3000 ... 70000 ppm carbon monoxide at n=1 (1 stroke).

4. Chemical Reaction and Color Change

Oxidation of carbon monoxide by iodine pentoxide in fuming sulfuric acid.

Color change: White/yellowish → Brown



5. Ambient Conditions During Sampling

Detector tubes can be used between 0 °C and 40 °C (32 °F and 104 °F).

6. Interferences and Cross Sensitivities

- a) No interference from:
 - Hydrogen, methane, ethane, carbon dioxide.
 - sulfur dioxide, nitrogen dioxide, propane up to 10 vol.%.
- b) Higher saturated hydrocarbons, olefinic hydrocarbons, hydrogen sulfide discolor the protective layer from brown to greenish. At least 3000 ppm of olefinic hydrocarbons (e.g. ethylene) and hydrogen sulfide are retained. Retention is lower for butanes and higher saturated hydrocarbons (e.g. hexanes). Concentrations of hydrocarbons exceeding the protective capacity may be eliminated by adding a charcoal filter tube Ads (804403)..
- c) Water vapour reduces the protective layer retention capacity, in particular for hydrocarbons.

Manufactured By:

Uniphos Envirotronic Pvt. Ltd (100% EOU)

P.O. Nahuli - 396 108

Tal. Umbergaon,

Dist: Valsad, Gujarat, India

Tel. : +91(260) 2730156 / 57 / 58

Fax : +91(260) 2730160

gasdetection@uniphos-envirotronic.com

Marketing Office:

Uniphos Envirotronic Pvt. Ltd

Readymoney Terrace, 167,

Dr. Annie Besant Road, Worli,

Mumbai 400 018, India.

Tel. : +91(22) 6123 3500

Fax : +91(22) 2493 8826/+91 (22) 2497 8119

www.kwikdrawtubes.com