

KwikDraw MiniCO Detector Tube Instruction Sheet

Carbon Monoxide CO MiniCO

TWA (TLV): 25 ppm

STEL (TLV): ----

Flammable Range: 13 – 74 %

MOST IMPORTANT:

Before using this product, carefully read this instruction sheet and strictly follow the recommended instructions.

INTRODUCTION:

MiniCO Carbon monoxide (CO) tube is used for indoor air monitoring where presence of CO is suspected. This is a semi quantitative method for the detection of CO buildup to alert the occupier to take necessary action.

This tube works on the principle of diffusion, hence pump is not required for sampling. CO, on reaction with the filling material changes its colour from yellow to brown. The length of stain represents the total amount of CO reacted with the filling material over the given period of time.

The MiniCO tube has two marks viz. ① and ②, if the stain goes beyond mark ① after 1 day or beyond mark ② after 7 days it indicates that the CO concentration over the said period has exceeded the threshold limit and it is time to ventilate the area immediately. Further action may be taken to inform concern local safety and evacuation authority if applicable.

SPECIFICATION:

Measurement Range	Indicative Type
Sampling Method	Diffusion
Color Change	Yellow → Brown
Sampling time	1 to 7 days
Storage condition	Below 30°C (90°F)
Calibration Gas	CO : 25 ppm
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.
Active Reagent(s)	Palladium

HOW TO USE THE TUBE:

1. There is a diamond scratch mark (not generally visible) on the tube above the dotted score line printed on the paper sheet. Gently bend the flap to break the tube. Note down starting date and time at the place provided on the tube holding sheet.
2. Put this at an appropriate point in the work place for area monitoring as directed on the tube holding sheet. Make sure that the open end of the tube is not blocked or obstructed.
3. Observe the tube after 1 day and if no colour change is visible up to mark ①, let it be there up to 7 days.
4. If the stain goes beyond mark ① after 1 day or beyond mark ② after 7 days it indicates that the concentration carbon monoxide has exceeded its threshold value and the area should be ventilated immediately.

5. If there is no visible color change observed even after 7 days, dispose of the tube and use a fresh tube for area monitoring.

CAUTION:

1. The process of breaking the tube end can generate flying glass bits and leave the tube with sharp edges. Use eye and hand protection while breaking the tube end.
2. Keep tubes out of reach of unauthorized persons, especially children.
3. Do not allow them to mix with food products.
4. Dispose of used tubes according to local regulations.

IMPORTANT:

As we are continuously working on the improvement of products, we reserve the right to change the specifications without any prior notice.

USER RESPONSIBILITY:

It is entirely the responsibility of the user of the product to see that it is used in strict accordance with the manufacturer's instructions provided with the product. It is also the sole responsibility of the user to ensure that the tubes are not used beyond their expiration date. The manufacturer and manufacturer's distributors are not other wise liable for any incorrect measurement and its consequences or any damages resulting from user's negligence or otherwise.

Manufactured By: Uniphos Envirotronic Pvt. Ltd.
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