Nitr-HP (Nitrous Fumes)

KWIK DRAW UNIPHOS

Part No. D5086850

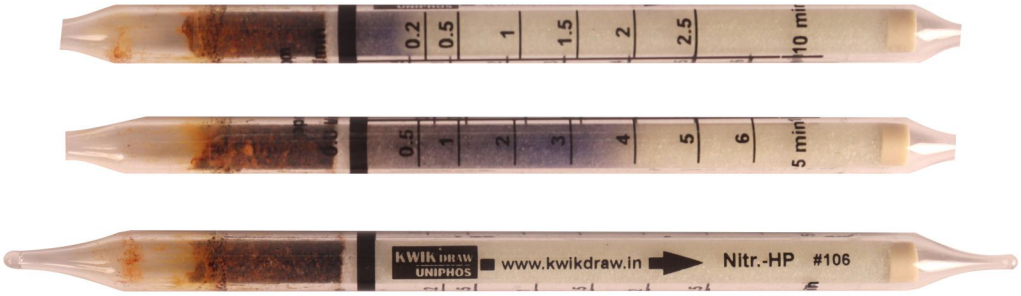
Part No. (US): 655790

1. **Application**
   Detection of nitrous fumes (nitric oxide + nitrogen dioxide, $NO+NO_2$) in compressed air.

2. **Sampling Device**
   Monitoring set for compressed air, KWIKDRAW Airtester HP, observe included instruction for use.

3. **Measuring Range**
   0.2 ... 2.5 ppm nitrous fumes for a 3.0 L sample.
   0.5 ... 6.0 ppm nitrous fumes for a 1.5 L sample.

4. **Chemical Reaction and Color Change**
   Oxidation of an aromatic amine by nitrogen dioxide. Nitric oxide does not change color of the indicating layer , it has to be oxidized in the conversion layer to nitrogen dioxide.
   Color change: White or light blue → Dark blue



5. **Influence of Temperature**
   Detector tubes can be used between 5 °C and 35 °C (40 °F and 95 °F) and up to 90 % RH (36 mg/l at 35 °C [95 °F])

6. **Interferences and Cross Sensitivities**

   a)No interference from:

   hydrogen, methane, carbon monoxide, carbon dioxide, mineral oil (vapour and mist).

TLV(TWA): NO: 25 ppm, NO_2: 0.2 ppm

Flammable Range: N.A.