



ST-143-2001

**Standard Measuring Range** : 0.1 to 1 mg/m<sup>3</sup>

**Time for Measurement** : (see details in  
**Standard Deviation** : operating instructions)  
**Colour Change** : white → beige or yellow

### Ambient Operating Conditions

**Temperature** : 10 to 30 °C  
**Absolute Humidity** :  
**Pressure** : The tube may only be used  
for depressurized  
compressed air

### Reaction Principle

Oil + H<sub>2</sub>SO<sub>4</sub> → beige-yellow reaction product

### Cross Sensitivity

The indicates the total concentration of mineral and synthetic oil aerosols (mist) and oil vapors.

Several organic compounds with high molecular weights are indicated, but with different sensitivities.

Polyethylene glycol and silicone oil are not indicated until the concentration is quite high (e.g. 100 mg/m<sup>3</sup>).

### Additional Information

After performing the required test volume the reagent ampoule must be broken and the liquid carefully drawn onto the indication layer using the pump.

In connection with a Dräger gas detector pump the tube can also be used for investigation of air in workrooms.