

**Order No.**

**CH 28401**

# Polytest

**Standard Measuring Range** : Qualitative determination of easily oxidised substances.

**Number of Strokes (n)** : 5

**Time for Measurement** : app. 1.5 min

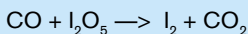
**Colour Change** : white → brown, green or possibly violet

## Ambient Operating Conditions

**Temperature** : 0 to 50 °C

**Absolute Humidity** : max. 50 mg H<sub>2</sub>O / L

## Reaction Principle



## Cross Sensitivity

Based on the reaction principle, many easily oxidised compounds are indicated, several examples are shown below:

2000 ppm Acetone	10 ppm Acetylene
50 ppm Ethylene	1 ppm Arsine
10 ppm Octane	50 ppm Benzene
500 ppm Propane	100 ppm Butane
5 ppm Carbon Monoxide	10 ppm Styrene
1 ppm Carbon Disulphide	20 ppm Perchloroethylene
2 ppm Hydrogen Sulphide	10 ppm Toluene, Xylene

Methane, ethane, hydrogen and carbon dioxide are not indicated.

## Additional Information

The absence of an indication does not mean there are no oxidisable substances present. The Polytest detector tube is strictly a screening tube, designed to qualify the presence of easily oxidised substances. In some instances, particularly when dealing with the potential of flammable gases and vapours near the lower explosion limit (and with toxic substances), the result of the Polytest should be verified with another method.

