

Polytest

Order no. CH28401

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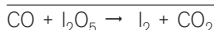
General data

Measuring range:	qualitative detection of easily oxidizable substances
Number of strokes n:	5
Measuring time:	approx. 1.5 min
Color change:	white → brown, green, or purple (depending on the substance present)

Permissible ambient conditions

Temperature:	0 to 50 °C
Humidity:	max. 50 mg H ₂ O/L

Reaction principle



Cross-sensitivity

Based on the reaction principle, many, but not all, easily oxidizable compounds are indicated; for example, the following substances provide a clear reading:

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 disulfide	20 ppm perchloroethylene
2 ppm hydrogen sulfide	10 ppm toluene or xylene

For instance, methane, ethane, hydrogen, and carbon dioxide are not indicated.

Additional note

If there is no reading, this does not always mean that no easily oxidizable substances are present. Independent methods to qualify the use of the Dräger-Tube Polytest should be used in each specific case, particularly when combustible gases and vapors close to the lower explosive limit or toxic substances are suspected.



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