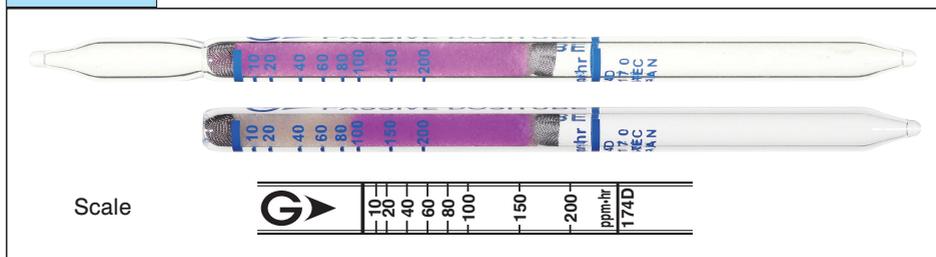


Dosi-tube

1,3-Butadiene $\text{CH}_2\text{:CHCH:CH}_2$ No.174D



Performance

Measuring range	1.3 to 200 ppm
Sampling time	1 to 8 hours
Colour change :	Reddish purple → Pale brown
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 10 to 200 ppm · hr)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	30 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration:	Interference	Changes colour by itself to
Unsaturated hydrocarbons		+	Pale brown

Other substances measurable with this Dosi-tube

Substance	Correction	Sampling time	Measuring range
Ethylene	Factor : 1.2	} 1 to 8 hours	1.5 to 240 ppm
Isoprene	Factor : 2.0		2.5 to 400 ppm
trans-1,2-Dichloroethylene	Factor : 3.0		3.8 to 600 ppm
Vinyl chloride	Factor : 1.2		1.5 to 240 ppm

Calibration gas generation

Permeation tube method