

Benzene 5 – 150 ppb

Order no. 8610600

Measuring range:	5 to 150 ppb Measurement only possible in connection with the Dräger-Tube ppb Booster Basic (3702013).
Typical measuring time:	approx. 100 to 1100 s
Accuracy:	± 25 % (under calibration conditions) < 5 ppb + 50 %

Permissible ambient conditions

Temperature:	10 to 30 °C
Temperature correction:	21 to 30 °C → none < 20 °C → + 3 % of the measured value per °C
Humidity:	1 to 25 mg/L
Humidity correction:	none

Cross-sensitivities

The detection of 25 ppb benzene is not affected by:

- 1.5 ppm 1,3-butadiene
- 50 ppb hydrogen sulfide
- 20 ppm n-octane
- 130 ppb toluene
- 150 ppb xylene
- 100 ppm cyclohexane

Hose and probe measurements

The following purging time recommendations for remote measurements have been determined with a brand-new, dry, and clean hose and probes. The additional purging time reduces the humidity range to 1 to 15 mg/L.

Hose / probe	Length in m	Purging time in min
FKM hose	5 – 20	3
FKM hose	45	5
PTFE-lined PVC hose	3 – 15	5
Bar probe 90 (8316532)		2
Telescopic probe ES 150 (8316533)		1
Probe set GP600 (8328667)		3