

# Benzene 0.15 – 10 ppm

Order no. 8610030

|                                       |                                                                      |
|---------------------------------------|----------------------------------------------------------------------|
| Measuring range:                      | 0.15 to 10 ppm                                                       |
| Typical measuring time:               | 25 to 150 s                                                          |
| Accuracy:                             | ± 25 % (under calibration conditions)                                |
| <b>Permissible ambient conditions</b> |                                                                      |
| Temperature:                          | 0 to 30 °C                                                           |
| Temperature correction:               | 20 to 30 °C → none<br>0 to 19 °C → +4 % of the measured value per °C |
| Humidity:                             | 1 to 25 mg/L                                                         |
| Humidity correction:                  | none                                                                 |

## Cross-sensitivities

The detection of 1 ppm benzene is not affected by:

- 1.5 ppm 1,3-butadiene
- 2.5 ppm hydrogen sulfide
- 50 ppm toluene
- 50 ppm xylene
- 800 ppm n-octane
- 10 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.

| Hose / probe                      | Length in m | Purging time in min |
|-----------------------------------|-------------|---------------------|
| FKM hose                          | 5 – 20      | 3                   |
| FKM hose                          | 45          | 5                   |
| PTFE-lined PVC hose               | 3 – 15      | 7                   |
| Bar probe 90 (8316532)            |             | 1                   |
| Telescopic probe ES 150 (8316533) |             | 2                   |
| Probe set GP600 (8328667)         |             | 3                   |