

Application Note

Criteria for Accepted Deficiencies

| Sensor Type | Leakage | Response Time t_{90} [s] | Zero Current [nA] | Sensitivity Decrease [%] ¹⁾ |
|-------------------------------------|--------------|----------------------------|---------------------|--|
| AsH ₃ /PH ₃ | Not possible | > 90 | > 10 | > 70 |
| Cl ₂ 3E 10 | Yes | > 60 ²⁾ | > 50 | > 70 |
| Cl ₂ 3E 50 | Yes | > 60 ²⁾ | > 50 | > 70 |
| ClO ₂ 3E 1 | Not possible | > 120 | > 50 | > 70 |
| ClO ₂ 3E 1 O | Not possible | > 110 | > 50 | > 50 |
| CO 2E 300 | Yes | > 60 | > 200 | > 70 |
| CO 3E 300 | Yes | > 60 | > 200 | > 70 |
| CO 3E 500 S | Yes | > 120 | > 500 | > 70 |
| COCl ₂ 3E 1 | Not possible | > 60 ⁴⁾ | > 10 | > 50 |
| F ₂ 3E 1 | Not possible | > 60 ²⁾ | > 50 | > 70 |
| H ₂ all types | Yes | > 90 | > 100 | > 70 |
| H ₂ S 2E 30 | Not possible | > 90 | > 50 | > 50 |
| H ₂ S 3E 30 | Not possible | > 60 | > 50 | > 50 |
| H ₂ S 2E 50 | Yes | > 60 | > 300 | > 70 |
| H ₂ S 2E 50 S | Yes | > 60 | > 200 | > 70 |
| H ₂ S 3E 100 | Yes | > 60 | > 400 | > 70 |
| H ₂ S 3E 100 S | Yes | > 60 | > 400 | > 70 |
| HCl 3E 30 | Yes | > 120 | > 100 ³⁾ | > 70 |
| HCN 2E 30 F | Not possible | > 90 | > 50 | > 70 |
| HCN 3E 30 F | Not possible | > 90 | > 50 | > 70 |
| HF 3E 10 SE | Yes | > 120 ⁴⁾ | > 200 | > 70 |
| N ₂ H ₄ 2E 1 | Not possible | > 180 ⁴⁾ | > 50 | > 50 |
| NH ₃ 3E 100 | Not possible | > 60 ⁴⁾ | > 200 | > 50 |
| NH ₃ 3E 1000 | Not possible | > 60 ⁴⁾ | > 200 | > 50 |
| NH ₃ 3E 100 SE | Yes | > 120 | > 100 | > 70 |
| NH ₃ 3E 1000 SE | Yes | > 120 | > 100 | > 70 |
| NH ₃ 3E 500 SE | Yes | > 120 | > 100 | > 70 |
| NH ₃ 3E 5000 SE | Yes | > 120 | > 100 | > 70 |
| NO 3E 100 | Yes | > 60 | > 200 ³⁾ | > 50 |
| NO ₂ 3E 50 | Not possible | > 60 | > 50 | > 50 |
| O ₃ 3E 1 | Not possible | > 60 ⁴⁾ | > 50 | > 50 |
| O ₃ 3E 1 F | Not possible | > 60 ⁴⁾ | > 50 | > 50 |
| SiH ₄ / GeH ₄ | Not possible | > 90 | > 40 | > 50 |
| TBM 2E | Not possible | > 120 | > 40 | > 70 |
| THT 3E 100 | Yes | > 90 | > 300 | > 70 |

- 1) % of initial sensitivity prior to shipment – determined under Sensoric's calibration procedures
- 2) after second exposure for at least 2 min.
- 3) required warm up time: > 24 h
- 4) t_{90}

