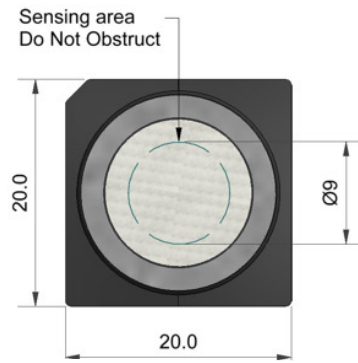


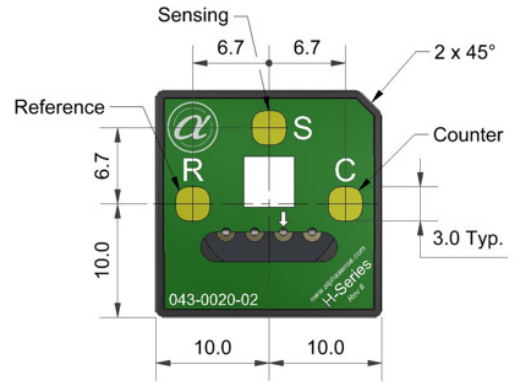
CO-H4X Carbon Monoxide Sensor – Miniature Size



Side View



Top View



Bottom View

Dimensions are in millimetres (± 0.1 mm).

| Performance | | | |
|-------------|---------------|--|-----------|
| | Sensitivity | nA/ppm in 400ppm CO | 18 to 45 |
| | Response time | t90 (s) from zero to 400ppm CO % 22°C | < 25 |
| | Zero current | ppm equivalent in zero air | < ± 4 |
| | Resolution | RMS noise (ppm equivalent) | < 1.5 |
| | Range | ppm limit of performance warranty | 1,000 |
| | Linearity | ppm CO error at full scale, linear at zero and 400ppm CO | ± 40 |
| | Overgas limit | maximum ppm for stable response to gas pulse | 2,000 |

| Lifetime | | | |
|----------|-------------------|---|-------|
| | Zero drift | ppm equivalent change/year in lab air | < 0.5 |
| | Sensitivity drift | % change/year in lab air, monthly test | < 6 |
| | Operating life | months until 80% original signal (18-month warranted) | > 18 |

| Environmental | | | |
|---------------|---------------------|--|-----------|
| | Sensitivity @ -20°C | % (output @ -20°C/output @ 20°C) @ 400ppm CO | N/A |
| | Sensitivity @ 50°C | % (output @ 50°C/output @ 20°C) @ 400ppm CO | N/A |
| | Zero @ -20°C | ppm equivalent change from 20°C | < ± 2 |
| | Zero @ 50°C | ppm equivalent change from 20°C | < ± 4 |

| Cross Sensitivity | | | | |
|-------------------|---|-------------------------|-------------------------------|--------|
| | Filter capacity | ppm·hrs | H ₂ S | 20,000 |
| | H ₂ S sensitivity | % measured gas @ 20ppm | H ₂ S | < 0.1 |
| | NO ₂ sensitivity | % measured gas @ 10ppm | NO ₂ | < 6 |
| | Cl ₂ sensitivity | % measured gas @ 10ppm | Cl ₂ | < 0.1 |
| | NO sensitivity | % measured gas @ 50ppm | NO | < 60 |
| | SO ₂ sensitivity | % measured gas @ 20ppm | SO ₂ | < 0.1 |
| | H ₂ sensitivity | % measured gas @ 400ppm | H ₂ | < 10 |
| | C ₂ H ₄ sensitivity | % measured gas @ 400ppm | C ₂ H ₄ | < 110 |
| | NH ₃ sensitivity | % measured gas @ 20ppm | NH ₃ | < 0.1 |

| Key Specifications | | | |
|--------------------|-------------------|---|-----------|
| | Temperature range | °C | -20 to 50 |
| | Pressure range | kPa | 80 to 120 |
| | Humidity range | % rh (see note below) | 15 to 90 |
| | Storage period | months @ 3 to 20°C (stored in sealed pot) | 6 |
| | Load resistor | Ω (recommended) | 10 to 47 |
| | Weight | g | < 2 |