

SNOOPER mini

Technical data sheet

| Device data | |
|------------------------|--|
| Dimensions (W x D x H) | 50 × 30 × 305 mm (SNOOPER mini, SNOOPER mini H2) 50 × 30 × 150 mm + 224 mm length of hand sensor (SNOOPER mini H) |
| Weight | approx. 130 g (SNOOPER mini, SNOOPER mini H2) approx. 320 g (SNOOPER mini H) |
| Material | polycarbonate |
| Product variants | SNOOPER mini methane, SNOOPER mini propane SNOOPER mini H2 SNOOPER mini H methane |

| Certificates | |
|--------------|----|
| Certificate | CE |

| Features | |
|-----------|--|
| Display | LCD, segmented |
| Buzzer | Frequency 2.4 kHz, volume 75 dB (A) / 1m |
| Operation | Membrane keypad with two keys |
| Sensor | Gas-sensitive semiconductor |

| Operating conditions | |
|--------------------------------------|---------------------------------|
| Operating temperature | -10 °C – +60 °C |
| Storage temperature | -25 °C – +70 °C |
| Humidity | 15 – 90 % r.h. (non-condensing) |
| Atmospheric pressure | 950 – 1100 hPa |
| Protection rating | IP54 |
| Non-permitted operating environments | in potentially explosive areas |

| Power supply | |
|-------------------------|---|
| Power supply | 2 NiMH rechargeable batteries (minimum 1600 mAh each) or 2 AA alkaline batteries |
| Operating time, minimum | 8 h at 20 °C |
| Operating voltage | 2 – 3 V DC |

| Gas types | |
|-----------|--|
| Standard | Methane (SNOOPER mini, SNOOPER mini H) Propane (SNOOPER mini) Hydrogen (SNOOPER mini H2) |

| Sensor, methane | | | | | | | |
|---------------------------------------|---|-------------|-------|------------------|--------|---------------------------------------|------------|
| Measuring range | 0 – 22000 ppm | | | | | | |
| Resolution | <table border="0"> <tr> <td>0 – 100 ppm</td> <td>5 ppm</td> </tr> <tr> <td>> 100 – 2000 ppm</td> <td>50 ppm</td> </tr> <tr> <td>> 2000 – 22000 ppm (0.2 – 2.2 % vol.)</td> <td>0.2 % vol.</td> </tr> </table> | 0 – 100 ppm | 5 ppm | > 100 – 2000 ppm | 50 ppm | > 2000 – 22000 ppm (0.2 – 2.2 % vol.) | 0.2 % vol. |
| 0 – 100 ppm | 5 ppm | | | | | | |
| > 100 – 2000 ppm | 50 ppm | | | | | | |
| > 2000 – 22000 ppm (0.2 – 2.2 % vol.) | 0.2 % vol. | | | | | | |
| Response time | 1 % vol. CH ₄ : t ₆₀ < 9 s t _R < 1 s t _R ... Time until device's first response following delivery of gas | | | | | | |
| Warm-up time | 20 s | | | | | | |
| Measuring error | 30 % | | | | | | |
| Interference | All flammable gases, water vapour | | | | | | |
| Lifetime, expected | 5 years | | | | | | |

| Sensor, propane | | | | | | | |
|---------------------------------------|---|-------------|-------|------------------|--------|---------------------------------------|------------|
| Measuring range | 0 – 22000 ppm | | | | | | |
| Resolution | <table border="0"> <tr> <td>0 – 100 ppm</td> <td>5 ppm</td> </tr> <tr> <td>> 100 – 2000 ppm</td> <td>50 ppm</td> </tr> <tr> <td>> 2000 – 22000 ppm (0.2 – 2.2 % vol.)</td> <td>0.2 % vol.</td> </tr> </table> | 0 – 100 ppm | 5 ppm | > 100 – 2000 ppm | 50 ppm | > 2000 – 22000 ppm (0.2 – 2.2 % vol.) | 0.2 % vol. |
| 0 – 100 ppm | 5 ppm | | | | | | |
| > 100 – 2000 ppm | 50 ppm | | | | | | |
| > 2000 – 22000 ppm (0.2 – 2.2 % vol.) | 0.2 % vol. | | | | | | |
| Response time | 1 % vol. C ₃ H ₈ : t ₆₀ < 12 s t _R < 1 s t _R ... Time until device's first response following delivery of gas | | | | | | |
| Warm-up time | 20 s | | | | | | |
| Measuring error | 30 % | | | | | | |
| Interference | All flammable gases, water vapour | | | | | | |
| Lifetime, expected | 5 years | | | | | | |

| Sensor, hydrogen | | | | | | | |
|---------------------------------------|---|-------------|-------|------------------|--------|---------------------------------------|------------|
| Measuring range | 0 – 10 000 ppm | | | | | | |
| Resolution | <table border="0"> <tr> <td>0 – 100 ppm</td> <td>5 ppm</td> </tr> <tr> <td>> 100 – 2000 ppm</td> <td>50 ppm</td> </tr> <tr> <td>> 2000 – 10000 ppm (0.2 – 1.0 % vol.)</td> <td>0.2 % vol.</td> </tr> </table> | 0 – 100 ppm | 5 ppm | > 100 – 2000 ppm | 50 ppm | > 2000 – 10000 ppm (0.2 – 1.0 % vol.) | 0.2 % vol. |
| 0 – 100 ppm | 5 ppm | | | | | | |
| > 100 – 2000 ppm | 50 ppm | | | | | | |
| > 2000 – 10000 ppm (0.2 – 1.0 % vol.) | 0.2 % vol. | | | | | | |
| Response time | 1000 ppm H ₂ : t ₆₀ < 3.3 s t _R < 1 s t _R ... Time until device's first response following delivery of gas | | | | | | |
| Warm-up time | 20 s | | | | | | |
| Measuring error | 30 % | | | | | | |
| Interference | All flammable gases, water vapour | | | | | | |
| Lifetime, expected | 5 years | | | | | | |

Subject to technical changes.