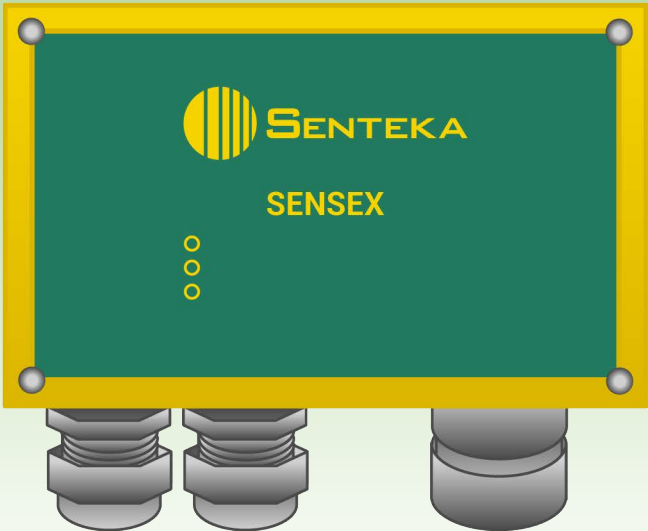


The Senteka Gas Detection Transmitters

Easy to use gas detection systems



Simple gas detectors for use in safe and hazardous areas

The Senteka gas detection transmitters are available for use in safe areas (using the SENSEX (Safe) polycarbonate detector), or in hazardous (ATEX zoned) areas (using the SENSEX (Atex) explosion proof detectors).

They are both addressable detectors allowing for cost effective and simple installation on a loop from the Senteka panel.

Using a mixture of infra red, semiconductor and electrochemical sensors in the easy to mount housings, a wide range of gases can be detected. The table on the right shows the various options available.

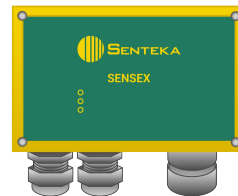
For customers who are not gas detection engineers there is our easy to use configurator at www.senteka.com which can help you to specify exactly how many detectors you will need to adequately cover different rooms and spaces.



Sensors available

| |
|-------------------|
| Methane |
| Propane |
| Hydrogen |
| Oxygen |
| Carbon monoxide |
| Hydrogen sulphide |
| Chlorine |
| Ammonia |
| Nitrogen dioxide |
| Carbon dioxide |

Specification



| | | | |
|-----------------------------------|---|-----------------------------------|---|
| Model | SENSEX (Atex) | Model | SENSEX (safe) |
| Power Supply | 5-30VDC, max 200mA (depending on type) | Power Supply | 5-30VDC, max 200mA (depending on type) |
| Sensor type | IR, Semiconductor or electrochemical | Sensor type | IR, Semiconductor or electrochemical |
| Sampling method | Diffusion | Sampling method | Diffusion |
| Measuring range | % LEL/ % Vol./ ppm | Measuring range | % LEL/ % Vol./ ppm |
| Sensor lifespan | 2 to 8 years (depending on type) | Sensor lifespan | 2 to 8 years (depending on type) |
| Output signal | RS485, 4-20mA | Output signal | RS485, 4-20mA |
| Response time T90 | < 30 Secs. | Response time T90 | < 30 Secs. |
| Protection | IP65 | Protection | IP65 |
| Temperature & Humidity | -40°C ~ +55°C 15%~90% RH (Non-condensing) | Temperature & Humidity | -40°C ~ +55°C 15%~90% RH (Non-condensing) |
| Pressure | 900-1100 mBar | Pressure | 900-1100 mBar |
| Case | Aluminium and Stainless steel | Case | Polycarbonate |
| Cable | 0.5mm ² to 1.5mm ² (max 4mm diam.) screened cable | Cable | 0.5mm ² to 1.5mm ² (max 4mm diam.) screened cable |
| Cable inlet | Exd cable gland (optional extra) | Cable inlet | IP65 plastic cable gland |
| Internal connections | Terminal block 1.5mm ² | Internal connections | Terminal block 1.5mm ² |
| Size & Weight | Size: 150(W) × 150(H) × 90(D)mm Weight: 1Kg | Size & Weight | Size: 125(W) × 105(H) × 60(D)mm Weight: 0.5Kg |
| ATEX approval | Exd II 2G Ex d IIC T6 Gb (BKI13ATEX0005X) | | |
| IECEX approval | Ex d IIC T6 Gb (IECEX BKI 13.0003X) | | |