

# New MPS Sensor

## Next Generation Gas Sensors

- One detector for multiple gases
- One calibration every 5 years
- One complete solution

## The latest sensor technology of gas detection – One decision you don't have to worry about

The latest innovation in gas detection which makes re-calibration, unwanted alarms and sensor poisoning a thing of the past. Available for the building and industrial market; the sensor accurately measures over 14 gases at the same time, without the need for corrections. This makes for an incredibly safe, stable and accurate detector that saves lives, resources and property.

### Flammable Gas detection

- Detects multiple gases (14 gases)
- True LEL
- Hydrogen detection
- No calibration needed (in clean air)
- Long lifetime (5+ years)
- No sensor poisoning
- Stable during rapid environmental transients

### Application

- Energy (including Hydrogen detection)
- Chemical industry
- Refineries
- Wastewater plants
- Boiler rooms
- Storage of packed dangerous substances
- Food industry



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## Performance

Resolution 0,1 %LEL  
 Responstime < 20 Seconds  
 Factory calibrated  
 Range: 0-100%LEL

## TrueLEL™ Gas Detection

Gas	Formula	Detection Range	Accuracy (0-50 %LEL)
Butane	C <sub>4</sub> H <sub>10</sub>	0-100 %LEL	±5 %LEL
Ethane	C <sub>2</sub> H <sub>6</sub>	0-100 %LEL	±5 %LEL
Hydrogen	H <sub>2</sub>	0-100 %LEL	±5 %LEL
Isobutane	HC(CH <sub>3</sub> ) <sub>3</sub>	0-100 %LEL	±5 %LEL
Isobutylene	C <sub>4</sub> H <sub>8</sub>	0-100 %LEL	±5 %LEL
Isopropanol	C <sub>3</sub> H <sub>8</sub> O	0-100 %LEL	±10 %LEL
Methane	CH <sub>4</sub>	0-100 %LEL	±3 %LEL
Methyl ethyl ketone	C <sub>4</sub> H <sub>8</sub> O	0-100 %LEL	±5 %LEL
Octane	C <sub>8</sub> H <sub>18</sub>	0-100 %LEL	±5 %LEL
Pentane	C <sub>5</sub> H <sub>12</sub>	0-100 %LEL	±5 %LEL
Propane	C <sub>3</sub> H <sub>8</sub>	0-100 %LEL	±5 %LEL
Propylene	C <sub>3</sub> H <sub>6</sub>	0-100 %LEL	±5 %LEL
Toluene	C <sub>7</sub> H <sub>8</sub>	0-100 %LEL	±12 %LEL
Xylene	C <sub>8</sub> H <sub>10</sub>	0-100 %LEL	±12 %LEL

For other gases please contact your Consilium representant.

\*For more technical please see the ST650EX detector and MPS sensor datasheet.