

# Gas sensor



Gas sensor design may vary

## Gas sensor with Pellistor sensor in metal housing

### GSP 300

Gas sensor with Pellistor sensor

#### Application

Monitoring of the air for flammable or toxic gas concentrations

#### Advantages

Linear output signal, high accuracy.

Low cross sensitivity to solvent vapours.

Electromagnetic, mechanical encapsulated and dust-proof, anti-inflammatory sintered metal encapsulation of the sensor.

### Technical Data

Suitability	dusty, dirty areas
Location of installation	floor, wall, ceiling, depending on the type of gas
Housing	aluminum, WxDxH: 90x80x80 mm
Protection class	IP44, IP65
Gas inlet	diffusion, sintered filter
Output signal	4-20mA, temperature-compensated
Power supply	24 Volt (24 V.AC or 24V.DC)
Connection cable	e.g. up to 600m: Y (St) 2x2x0.8 mm <sup>2</sup> , from 600m: 4x1.5 mm <sup>2</sup> , insulated

Gases		Gas sensor for
Acetone	C <sub>3</sub> H <sub>6</sub> O	0-100%LEL
Acetylene	C <sub>2</sub> H <sub>2</sub>	0-100%LEL
Ammonia	NH <sub>3</sub>	0-30000 ppm
Ammonia	NH <sub>3</sub>	0-35000 ppm
Gasoline		0-100%LEL
Butane	C <sub>4</sub> H <sub>10</sub>	0-100%LEL
Cyclohexane	C <sub>6</sub> H <sub>12</sub>	0-100%LEL
Dimethyl ether	C <sub>2</sub> H <sub>6</sub> O	0-100% LEL
Ethane	C <sub>2</sub> H <sub>6</sub>	0-100%LEL
Ethanol	C <sub>2</sub> H <sub>6</sub> O	0-100%LEL
Ethyl acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	0-100%LEL
Ethyl benzene	C <sub>8</sub> H <sub>10</sub>	0-100%LEL

Gases		Gas sensor for
Ethylene	C <sub>2</sub> H <sub>4</sub>	0-100%LEL
Liquid gas	LPG	0-100%LEL
Heptane	C <sub>7</sub> H <sub>16</sub>	0-100%LEL
Hexane	C <sub>6</sub> H <sub>14</sub>	0-100%LEL
Isopropanol	C <sub>3</sub> H <sub>8</sub> O	0-100%LEL
Methane	CH <sub>4</sub>	0-100%LEL
Methanol	CH <sub>4</sub> O	0-100%LEL
Methyl-ethyl-ketone	C <sub>4</sub> H <sub>8</sub> O	0-100%LEL
Nonane	C <sub>9</sub> H <sub>20</sub>	0-100%LEL
Propane	C <sub>3</sub> H <sub>8</sub>	0-100%LEL
Tetrahydrofuran	C <sub>4</sub> H <sub>8</sub> O	0-100%LEL
Hydrogen	H <sub>2</sub>	0-100%LEL

Other gases and measuring ranges are available upon request • Operating approvals according to ATEX or SIL are available upon request