

# Gas sensor



Gas sensor design may vary

## Gas sensor with electrochemical measuring cell in a metal housing

### GSE 400

Gas sensor with electrochemical measuring cell

#### Application

Monitoring of the air for toxic gas concentrations

#### Advantages

Low cross sensitivity to other gases

### Technical Data

Suitability	dusty, dirty areas
Housing	aluminum, 90x80x80mm LxWxH, with optional housing
Protection class	IP44, IP65, EMV-Schutz
Gas inlet	diffusion, sintered filter
Output signal	4-20mA linear
Power supply	24 Volt DC
Connection cable	E.g. up to 600 m: JY (ST) Y 2x2x0.8 mm <sup>2</sup> , from 600 m: 4x1.5 mm <sup>2</sup> , insulated

Gases		Gas sensor for
Ammonia	NH <sub>3</sub>	0-100 ppm
Ammonia	NH <sub>4</sub>	0-300 ppm
Ammonia	NH <sub>5</sub>	0-1000 ppm
Arsine	AsH <sub>3</sub>	0-50 ppm
Cyanide	HCN	0-30 ppm
Boron trichloride	BCl <sub>3</sub>	0-20 ppm
Chlorine	Cl	0-5 ppm
Chlorine dioxide	ClO <sub>2</sub>	0-1 ppm
Hydrogen chloride	HCl	0-20 ppm
Diborane	B <sub>2</sub> H <sub>6</sub>	0-50 ppm
Dichlorosilane	Cl <sub>2</sub> H <sub>2</sub> Si	0-20 ppm
Ethylene	C <sub>2</sub> H <sub>4</sub>	0-2000 ppm
Ethylene	C <sub>2</sub> H <sub>4</sub>	0-10 ppm
Ethylene	C <sub>2</sub> H <sub>4</sub>	0-25 ppm
Fluorine	F	0-10 ppm
Hydrofluoric acid	HF	0-10 ppm
Formaldehyde	CH <sub>2</sub> O	0-10 ppm
Formaldehyde	CH <sub>2</sub> O	0-2000 ppm
Hydrides	AsH <sub>3</sub> , PH <sub>3</sub> , B <sub>2</sub> H <sub>6</sub> , SiH <sub>4</sub>	0-500 ppb

Gases		Gas sensor for
Carbon disulfide	CS <sub>2</sub>	0-20 ppm
Carbon monoxide	CO	0-50 ppm
Carbon monoxide	CO	0-300 ppm
Carbon monoxide	CO	0-1000 ppm
Carbon monoxide	CO	0-4000 ppm
Ozone	O <sub>3</sub>	0-1 ppm
Ozone	O <sub>3</sub>	0-5 ppm
Phosphorus trichloride	PCl <sub>3</sub>	0-2 ppm
Sulphur dioxide	SO <sub>2</sub>	0-10 ppm
Hydrogen sulfide	H <sub>2</sub> S	0-20 ppm
Hydrogen sulfide	H <sub>2</sub> S	0-50 ppm
Hydrogen sulfide	H <sub>2</sub> S	0-100 ppm
Silane	SiH <sub>4</sub>	0-500 ppb
Silicon tetrachloride	SiCl <sub>4</sub>	0-20 ppm
Nitrogen dioxide	NO <sub>2</sub>	0-20 ppm
Nitric oxide	NO	0-100 ppm
Trichlorosilane	HCl <sub>3</sub> Si	0-20 ppm
Hydrogen	H <sub>2</sub>	0-2000 ppm
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