



## Messwerttabelle für den XXS OV-Sensor



### VORSICHT

Die Anwendung dieser Messwerttabelle setzt die genaue Kenntnis und Beachtung der zugehörigen Gebrauchsanweisung des Pac 7000 (90 23 826) und des OV-Sensors (90 23 994) voraus!

### Anwendungsbeispiel für die Tabelle:

CO wird als Kalibriergas verwendet, mit dem der Sensor auf die Empfindlichkeit von Vinylchlorid eingestellt werden soll.

Konzentration des Kalibriergases:

10 ppm Ethylenoxid x 1,67 (Faktor aus der Tabelle) = einzustellender Wert für Vinylchlorid 16,7 ppm

## Measurement value table for the XXS OV-Sensor



### CAUTION

The application of this measurement value table requires that one be familiar with and adhere to the related Instructions for Use of the Pac 7000 (90 23 826) and of the OV-Sensor (90 23 994)!

### Example of Use for the table:

Use CO as test gas to calibrate the sensor for measuring vinyl chloride.

Concentration of test gas:

10 ppm ethylene oxide x 1.67 (factor from table) = Value to be set for vinyl chloride 16.7 ppm

# XXS OV-Sensor

|                         |                             | Messgas / measuring gas                               |                                 |                               |                               |                                  |                    |                                     |              |                                      |                                 |   |   |   |      |
|-------------------------|-----------------------------|---|---------------------------------|-------------------------------|-------------------------------|----------------------------------|--------------------|-------------------------------------|--------------|--------------------------------------|---------------------------------|---|---|---|------|
|                         |                             | Ethylene Oxide  | Propylene Oxide                 | Ethene                        | Propene                       | Vinyl Chloride                   | Methanol           | Butadiene 1                         | Formaldehyde | Iso-Propanol                         | Tetrahydrofuran                 | 1-Chloro-2,3 Epoxypropane                         | Styrene   | Methylmethacrylate                                    |      |
| Kalibriergas / test gas | chem. Symbol / chem. symbol | C <sub>2</sub> H <sub>4</sub> O                       | C <sub>3</sub> H <sub>6</sub> O | C <sub>2</sub> H <sub>4</sub> | C <sub>3</sub> H <sub>6</sub> | C <sub>2</sub> H <sub>3</sub> Cl | CH <sub>3</sub> OH | CH <sub>2</sub> CHCHCH <sub>2</sub> | HCHO         | (H <sub>3</sub> C) <sub>2</sub> CHOH | C <sub>4</sub> H <sub>8</sub> O | C <sub>2</sub> H <sub>3</sub> OCH <sub>2</sub> Cl | C <sub>6</sub> H <sub>5</sub> CHCH <sub>2</sub> | H <sub>2</sub> CC(CH <sub>3</sub> )COOCH <sub>3</sub> |      |
|                         | Ethylene Oxide              | C <sub>2</sub> H <sub>4</sub> O                       | 1.00                            | 1.18                          | 1.67                          | 1.54                             | 1.67               | 2.86                                | 0.71         | 1.25                                 | 2.86                            | 1.00  | 2.86  | 1.43  | 2.50 |
|                         | Propylene Oxide             | C <sub>3</sub> H <sub>6</sub> O                       | 0.85                            | 1.00                          | 1.42                          | 1.31                             | 1.42               | 2.43                                | 0.61         | 1.06                                 | 2.43                            | 0.85  | 2.43  | 1.21  | 2.13 |
|                         | Ethene                      | C <sub>2</sub> H <sub>4</sub>                         | 0.60                            | 0.71                          | 1.00                          | 0.92                             | 1.00               | 1.71                                | 0.43         | 0.75                                 | 1.71                            | 0.60  | 1.71  | 0.86  | 1.50 |
|                         | Propene                     | C <sub>3</sub> H <sub>6</sub>                         | 0.65                            | 0.76                          | 1.08                          | 1.00                             | 1.08               | 1.86                                | 0.46         | 0.81                                 | 1.86                            | 0.65  | 1.86  | 0.93  | 1.63 |
|                         | Vinyl Chloride              | C <sub>2</sub> H <sub>3</sub> Cl                      | 0.60                            | 0.71                          | 1.00                          | 0.92                             | 1.00               | 1.71                                | 0.43         | 0.75                                 | 1.71                            | 0.60  | 1.71  | 0.86  | 1.50 |
|                         | Methanol                    | CH <sub>3</sub> OH                                    | 0.35                            | 0.41                          | 0.58                          | 0.54                             | 0.58               | 1.00                                | 0.25         | 0.44                                 | 1.00                            | 0.35  | 1.00  | 0.50  | 0.88 |
|                         | Butadiene 1                 | CH <sub>2</sub> CHCHCH <sub>2</sub>                   | 1.40                            | 1.65                          | 2.33                          | 2.15                             | 2.33               | 4.00                                | 1.00         | 1.75                                 | 4.00                            | 1.40  | 4.00  | 2.00  | 3.50 |
|                         | Formaldehyde                | HCHO  | 0.80                            | 0.94                          | 1.33                          | 1.23                             | 1.33               | 2.29                                | 0.57         | 1.00                                 | 2.29                            | 0.80  | 2.29  | 1.14  | 2.00 |
|                         | Iso-Propanol                | (H <sub>3</sub> C) <sub>2</sub> CHOH                  | 0.35                            | 0.41                          | 0.58                          | 0.54                             | 0.58               | 1.00                                | 0.25         | 0.44                                 | 1.00                            | 0.35  | 1.00  | 0.50  | 0.88 |
|                         | Tetrahydrofuran             | C <sub>4</sub> H <sub>8</sub> O                       | 1.00                            | 1.18                          | 1.67                          | 1.54                             | 1.67               | 2.86                                | 0.71         | 1.25                                 | 2.86                            | 1.00  | 2.86  | 1.43  | 2.50 |
|                         | 1-Chloro-2,3 Epoxypropane   | C <sub>2</sub> H <sub>3</sub> OCH <sub>2</sub> Cl     | 0.35                            | 0.41                          | 0.58                          | 0.54                             | 0.58               | 1.00                                | 0.25         | 0.44                                 | 1.00                            | 0.35  | 1.00  | 0.50  | 0.88 |
|                         | Styrene                     | C <sub>6</sub> H <sub>5</sub> CHCH <sub>2</sub>       | 0.70                            | 0.82                          | 1.17                          | 1.08                             | 1.17               | 2.00                                | 0.50         | 0.88                                 | 2.00                            | 0.70  | 2.00  | 1.00  | 1.75 |
|                         | Methylmethacrylate          | H <sub>2</sub> CC(CH <sub>3</sub> )COOCH <sub>3</sub> | 0.40                            | 0.47                          | 0.67                          | 0.62                             | 0.67               | 1.14                                | 0.29         | 0.50                                 | 1.14                            | 0.40  | 1.14  | 0.57  | 1.00 |