



KENDRION SOLUTIONS

## Precise measurement technology for ventilation and anesthesia

Solenoid assembly for oxygen sensor

In ventilation technology, patient safety has the highest priority. Among other things, inspiratory and expiratory oxygen measurement plays a central role, and for this reason, it must be reliably measured and monitored.

With the Pato oxygen sensor from Dräger, this is achieved using paramagnetic measurement, which exploits the magnetic properties of oxygen. Since other medical gases do not have this property, the O<sub>2</sub> concentration can be measured selectively in gas mixtures.

A Kendrion magnet assembly consisting of two electromagnets provides a precise magnetic field that can be switched on and off, in which the thermal conductivity measurement for determining the O<sub>2</sub> concentration

is carried out. The robust mechanical design also ensures a long service life and is thus suitable for everyday hospital use.

### Product features

- robust design
- precise magnetic field
- compact design
- long service life

### Field of application

- ventilation and anesthesia



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