

Welding Accessories Residual Oxygen Meter - ORBmax Residual Oxygen Meter

This ORBmax residual oxygen meter sets a milestone for fast, exact detection of residual oxygen, and with it complete documentation of these parameters. At the same time, the new measuring method results in greater efficiency and higher quality.

The "Optical oxygen measurement via fluorescence extinction" method for welding technology is far superior to the conventional methods, using zirconium sensors: It requires no warmup time whatsoever; reliably, quickly and precisely detects the oxygen share in the gas; unchecked alleged increasing of the measured value due to the formation of ozone is eliminated; the measurement is possible in all gas mixtures without manual switch-over (even with forming gas with a variable percentage of hydrogen).

The exact, fast detection of the oxygen content reduces the otherwise long flooding time of the forming gas. The operator can start the safe welding process considerably earlier. As a result, precious working time is saved and the gas consumption reduced. In addition, ORBmax requires no maintenance of any kind. Calibration once a year in accordance with the standard ISO 9001 is sufficient.



No warm-up time required

Quick response

High measurement accuracy

Measurement of residual oxygen level during the welding process
No uncontrolled increase of the measurement during the welding process.

Measurement of forming gas with variable hydrogen content without mode change

Measurement of the residual oxygen value in all gas mixtures

Measured value recording on SD card

User-friendly touchscreen

Liquid-resistant sensor

Alarm mode with beeper and changing colour of the display (green/red)

Protection class IP32

Setable alarm value and saving interval

Multirange power supply

Software to evaluate data

Can be connected with an ORBIMAT Orbital Welding Power Source

Maintenance-free sensor

Pleasant and handy design

Transportation case with IP67 protection