



Part Number 882 000 002

### DESCRIPTION

Orbitalum presents the revolutionary ORBmax, a 100% digital oxygen analyzer that measures and monitors oxygen particle count faster and with higher accuracy than ever thought possible. It eliminates uncontrolled, unmonitored purging and presumption of acceptable oxygen levels required for exacting weld standards. With its maintenance free optical sensor, the ORBmax measures oxygen PPM with high precision to ensure highly repeatable, oxidation free welds.

Requiring no warm up time, the ORBmax displays a large numerical oxygen particle count in PPM on a user friendly touch screen. The display doubles as an input device, and changes color from red to green to indicate when the preset oxygen value has been reached. The unit also features an alarm mode with an audible warning should the oxygen content rise above the preset PPM level.

The ORBmax interfaces with Orbitalum's Orbimat® series of orbital welding power supplies to prevent the start of a welding program until the user defined oxygen value has been reached. These measured values can be digitally logged and saved via a user selectable save interval to an SD card for purge documentation.

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The ORBmax features a compact, rugged water and dust resistant enclosure with a built in air pump allowing for active and passive oxygen content measurement. The unit comes with a protective cover that doubles as a solid table stand for easier viewing of the display. The ORBmax is a "must have" for the strict tolerance, high purity welding requirements commonly found in the semiconductor, pharmaceutical and aerospace industries.

### ORBMAX FEATURES

- Highly accurate, minimum of 3 ppm or 10 % of the Oxygen being displayed
- Recordable/Traceable with SD card
- Compact design with large color-changing digital touch screen
- Water and dust resistant, built to IP32
- Self contained air pump for active oxygen measuring
- Maintenance free optical oxygen sensor
- Quick response, no warm up time required
- User selectable saving interval & audible alarm modes
- Built in cover transforms into stand
- Multi-range power supply
- Connects directly to Orbimat® welding power supplies (cable required)



Protective cover doubles as a solid table stand for easier viewing of the display



The ORBmax measures oxygen PPM and is recordable/traceable via SD card



ORBmax interfaces with Orbimat power supply to control welding program

**CONTACT YOUR LOCAL  
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OR QUOTATION**

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