

**Proven Concept
in New Design**

ORBIMAT[®] 165 CB_{asic} **Compact Computer-Controlled Orbital Welding Power Source**

Compact – Lightweight – Adaptable



- **AUTOPROGRAMMING with input of Tube Diameter, Wall thickness, Material and Welding Gas**
- **Storage Capacity for more than 5000 Welding Procedures**
- **Storage Extension and Data transfer via COMPACT FLASH CARD**
- **Extensive Data Logging with Multi-Language system**
- **PC Offline Software (optional)**
- **Simple Conversion of Data Log-files into WORD or EXCEL (optional)**
- **Multi-Language Operation on Colour Display**
- **High visible 10.5" Monitor**
- **Integral water-cooler**
- **Build-in Mini printer**
- **Parallel Port for Standard sized printer**
- **Extremely compact with dimensions of 510 x 360 x 220 mm**
- **Total weight 24 kg only, including Full Water Cooler**
- **Maintenance-friendly with PSS (Pro-Service-System)**
- **Wide-range Input Voltage from 85 – 260 V (single phase 50/60Hz)**

The new ORBITWIN 165 CBasic implements a completely newly developed computer system, which sets with its various field of applications new dimensions in Orbital Welding Technology. Use of the latest power-electronic components allows a more compact design which gives massive reductions in weight. Weighing only 24 kg (incl. water cooling!) and with dimensions of 510 x 370 x 220 mm, the ORBITWIN 165 CBasic is unequalled world-wide in relation to size and output.

A further new development is the "Wide-Range" input voltage of 85 – 260 V which allows connection to all world-wide single phase supply systems. This also allows the system to be used in situations where it has never been able to use this type of system because of the wide variation in input voltage, such as with mobile generators and on unstable power supply systems with extreme deviation outputs.

Obviously the ORBITWIN 165 CBasic includes the well proven ORBITMATIC AUTOPROGRAMMING with easy weld procedure generation, which requires input of Diameter, Wall thickness, Material and Gas, as well as the current slope function between a maximum 99 different Welding Levels.

The standard version of the ORBITWIN 165 CBasic includes the control system for cold-wire-feeding and is therefore able to run the complete range of ORBITMATIC Weld heads.

Data-Logging

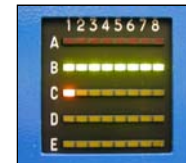
You have a wide range of Data-Logging available with multiple choice of documentation and archiving. With the use of the full function keyboard (supplied with the machine) additional information can be added to the data log file such as electrode type, welder's name, detailed application description and so on. Since printing after every weld may not be practical under some conditions, the data log files can be saved temporarily on a COMPACT-FLASH-Card.

ORBITMATIC offers even an OFFLINE Soft/Hardware package, to allow transfer of Data Log files to any PC for archiving and administration.



Better control with 10,5" Colour screen

PSS System



The new PSS (Pro-Service-System) brings a new dimension to Orbital Welding. PSS allows the operator to easily detect any failures on the system, which provides rapid maintenance on site. With a very systematic order of each component, all parts are easy to locate and exchange. Key components are connected by simple plugs. An LED panel is located on the rear side of the machine and this allows the operator to identify any future problems without having any technical knowledge, or the need for any other instruments.

Furthermore specific control functions of the system can be temporarily switched off in order to complete, with extreme care, an immediate application on site. The machine can then be taken to a workshop to be serviced and repair the fault.



For maximum production the ORBITWIN 165 CB can be used to allow simultaneous connect of 2 weld heads. The ORBITWIN 165 CB will allow the connection of two different head models. Each weld head can be assigned a separate welding procedure and the ORBITWIN 165 CD will automatically transfer all services to the weld head in use and recall the associated procedure. While one head is in use the other is isolated, allowing the operator to set one head while the other is welding

Technical Datas:

Dimensions:	510 x360 x 220 mm
Weight:	24 kg
Output Range:	2 -160 A at Input Voltage > 160 V 2 -110 A at Input Voltage < 160 V
Duty Cycle:	100% at100 A, 40% at 160 A
Input Voltage:	from 85 V – 260 V, 1 phase – 50/60Hz

Specification subject to change without notice



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