

**High Integrity GTAW Code
Quality Portable System**

ORBITIG™ 240

Highly refined from our ORBITIG™ legacy line, the ORBITIG™ 240 was designed as a next generation mid-level power source to accommodate effortless programming of complex weld cycles. This multi-purpose welding power source provides high precision welding for tube and pipe applications. Our modular, light weight design delivers versatility and effectiveness in the field. ORBITIG™ 240 shares a common control platform with all current Dimetrics power sources.

Dual-Core® current technology produces high integrity, code quality welds while maintaining maximum portability. Power source can operate fusion, wire feed weld heads or automated systems and is compatible with most other commercially available orbital weld heads on the market today.

TUBE

TUBESHEET

PROCESS PIPE

HEAT EXCHANGERS



Weld Quality Starts in the Arc

USA | tel: 1-704-230-2510 | dimmktg@dimetrics.com
INTERNATIONAL | tel: 1-905-689-0734 | liburdi@liburdi.com
EUROPE | tel: +31-6-2036-1018 | liburdieurope@liburdi.com
www.liburdi.com

ORBITIG™ 240

High Integrity GTAW Code Quality Portable System



The Power of Control

The ORBITIG™ 240 is a class leading power source with twin inverter power for GTAW orbital welding. Well suited for tube, small bore pipe, heat exchanger, tube sheet and process pipe applications.

Physical Characteristics

Height: 9.75" (250mm)
 Length: 20" (500mm)
 Width: 32" (810mm)
 Weight: 90 lbs (40.8kg)

Welding Specifications

Welding Range: 4 to 240 Amperes
 Peak Pulse Current: 240 Amperes
 Continuous Weld Current: 210 Amperes
 (@ 19 Volts D.C.)

Current Pulsing up to 100 Hz
 in 0.1 Hz steps
 Duty Cycle 0-100 in 1% steps

Standard Controller Features

- Automatic Schedule Generator
- PC/104 architecture
- USB/Ethernet Connectivity
- Automatic Software Calibration for Current, Volts, Travel, Wire
- Backward Compatibility with Legacy Dimetrics heads
- Adapters available for all commercially available heads
- Data logging
- 2 axis standard (*Travel and Wire*)

Accessories

- Offline Programming
- Liburdi Real Time Data Logging Software
- Ethernet Streaming Telemetry and Control
- Modbus/TCP/IP Control Interface
- Operators Pendant
- Spare Parts Kit
- Weld Head Connection Adaptors
- Infield Cabinet (*includes transformer and water cooler*)
- External Water Cooler

Utilities

Primary Voltage: 230, 3 Phase 60/50 Hz

Optional User Configured Pendant

- *Multi-Language Capability



*Termiflex Pendant

Orbital Pendant

Compatible Weld Heads

- L Series
- P450 & P550
- H Head
- J head
- M Series

- Ability to program up to 16 segments per weld schedule.
- 9,999 weld programs can be stored internally or on removable media cards for additional storage.
- Maximum travel and wire speed are head dependent. Parameters can be programmed in inches or metric values.
- Travel is adjusted in 0.01 rpm steps. Wire in 0.1 IPM steps
- Design your own user interface directly through the Ethernet port.

Back Panel Connections



© Liburdi Dimetrics Corp. January 14, 2014. Specifications Subject to Change.



Weld Quality Starts in the Arc

USA | tel: 1-704-230-2510 | dimmktg@dimetrics.com
 INTERNATIONAL | tel: 1-905-689-0734 | liburdi@liburdi.com
 EUROPE | tel: +31-6-2036-1018 | liburdieurope@liburdi.com
 www.liburdi.com