Precision Welding in a Portable System

P300™

Bred from the stringent requirements of aero engine repair, the Liburdi Dimetrics P300™ portable, full function welding power supply provides high precision welding in standard tube and pipe welding applications. This modular and lightweight design delivers a super fast 150,000 cycles per second series switch to produce an incredibly crisp and stable welding arc every time.

Using Pulsweld® current module technology, the portable P300™ power supply is a revolution in high integrity welding applications and is unique to the Liburdi Dimetrics Corporation.

Weld Quality Starts in the Arc
The Power of Control

The P300™ uses the latest technology in advanced Field-Programmable Gate Array (FPGA) and PC based controls to precisely automate welding current, 4 synchronized servos, data logging, USB and Ethernet. It features software which simplifies the calibration, programming and welding functions as well as providing the flexibility to operate a wide range of heads and motors using Back Electromotive Force (EMF) and Tachometer.

Physical Characteristics
Height: 9.75" (250mm)
Length: 20" (500mm)
Width: 32" (810mm)
Weight: 110 lbs (50kg)

Welding Specifications
- Welding Range: 1 to 300 Amperes
- Peak Pulse Current: 300 Amperes
- Weld Current Increments: 0.1 Amperes
- Continuous Weld Current: 200 Amperes (at 18 Volts)

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)

Options
- Offline Programmer
- Notebook Computer Interface
- Custom Head Developer Kit
- Offline Programming and Data Log Tools
- Ethernet Streaming Telemetry and Control
- Modbus/TCPIP Control Interface
- Operators Pendant
- Optional 2 Axis for 4 Servos Total
- CE Compliant Version Available

Current Pulsing up to 10,000 Hz in 0.1 Hz steps
Duty Cycle 0-100 in 1% steps

Utilities
Primary Voltage: 480, 3 Phase 60/50 Hz
*Optional 240VAC, 3 Phase 50/60Hz only available by request.

Optional User Configured Pendant
- Multi-Language Capability