Model 3000
Medium Frequency Inverter Resistance Welding Controller

FEATURES AND SPECIFICATIONS
• Spot Weld – Seam Weld – Roll Spot Weld – Butt Weld
• Fully Programmable 999 Weld Schedules
• Programmable Weld Counter for Each Weld Schedule
• Primary Weld Current Limit Built-in Monitor
• Secondary Current Monitor with Auto Scaling 1K Amps to 99K Amps
• Welding Transformer/Rectifier Limits Monitor:
  • Duty Cycle – Weld Time – K Amps
  • Weld Controller Halts with Warning Message if limits are exceeded. Weld
  • Controller reads Transformer I.D. Code to verify limits
  • +/- Limit K Amps
• Factory Preset Operating Frequency 0.5KC – 2 KC
• Copper Water-cooled IGBT Heat Sink with Temp. Sensor
• Pulsating Heat Time – Cool Time Control
• Upslope – Downslope – Quench – Temper Control
• One Time Squeeze Delay in Repeat Mode
• Weld Heat Stepper
• Weld Pressure Stepper
• Direct Interface to Intertron Interlock Scanner
• Edit Lock via 4 Digit Pass Code for Each Weld Schedule
• Edit Weld Schedule Key Lock for All Weld Schedules
• Intermittent and Continuous Drive Motor Speed Control
• Weld and Forge Air Pressure Regulators
  • 00 – 99 PSI or 000 – 682 KPA
• Air Volume Booster 45 CFM or 150 CFM
• Weld Cylinder Pressure Hi – Low Limit Sensor
• Chain Weld Schedules for Special Application Requirements
• Switch Inputs:
  • Retraction – 1st and 2nd Stage – Remote Weld – Tip Dress – E. Stop
  • Head DN – Key In – Key out for Machines with Key Lock Cylinder
  • Heat Time Override Limit Switch in Butt Weld Mode
• Dual Anti-Tie-Down Mode: Momentary – Push and Hold
• Valve Outputs Retractions – Weld – Forge – Water Saver – Key Lock – Clutch/Brake
• RS232 Interface to P.C. prints out Weld Impulse Monitored Time and Current
Upload/Download
• Weld Schedules to and from P.C.
• Secondary Weld Current Programming: K Amps or Heat %
• All Time Controls are Programmed in Milliseconds or Cycles
• Weld Schedule 000 allows setup of Initial Default Values and Units of Measure for All Weld Schedules
Intertron Industries Inc: Model 100

Standard Cabinet Dimensions: 30” h x 24” w x 12” d

ELECTRICAL SPECIFICATIONS

• Input Power
  • 3 Phase 220 VAC – 240 VAC – 380 VAC – 440 VAC – 480 VAC – 575 VAC
  • 50/60 HZ
• Optional 3 Phase Breaker in Cabinet
• AC Output to Valves 120 VAC, 20 VA per Valve
• DC Output to Forge Valve 24 VDC 0.25 Amps
• Primary Current Driver 200 Amp to 800 Amp in Standard Cabinet
• 1000 Amp to 2000 Amp Driver in HL Cabinet, 12” taller than Standard