

ID-800 Advisory Display High Voltage Power Supply (HVPS) Product Data Sheet

AAE HVPS



Features

- FAA Approved Major Repair allowing replacement of High Voltage Power Supply in ID-800 Advisory Display Units (7003653-VAR)
- Adjustable Anode, Focus and Grid Voltages
- Exceptional Stability
- Reliable Surface Mount Design
- High Reliability, Extends ID-800 in Service Life
- DC Voltage Outputs, Anode(10KV), Grid, Focus
- Power Consumption same as OEM HVPS Unit
- Modern High Voltage Design Significantly Improves Performance and Extends Operating Life in Harsh Environments.
- Fully Tested and Burned-in

Description

AAE has designed a modern replacement for the original High Voltage Power Supply in Honeywell ID-800 Advisory Display. AAE is able to provide a repair solution that replaces the Original HVPS with a Modern Surface Mount Design that has higher reliability, and none of the obsolescence issues of the original OEM HVPS.

The AAE HVPS Replacement will operate properly in any ID-800 (P/N 7003652), which currently has a Honeywell HVPS (P/N 7004807-901) Installed. The performance of the AAE HVPS Replacement meets or exceeds the performance characteristics of the original Honeywell HVPS (High Voltage Power Supply).

Additional Features

- Vibration Survival DO160B, Category PKS
- Shock Survival DO160B, Para 7.1
- High Voltage Connectors and Mounting Hardware Compatible with all Honeywell ID-800 Advisory Display Units
- Reliability Significantly Exceeds Original Design MTBF
- Proven Microelectronics Technology
- Length: 3.65 inches (92.7 mm)
- Width: 2.20 inches (55.9 mm)
- Height: 1.40 inches (35.6 mm)
- Weight: 210 grams Maximum (Total HVPS)

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HVPS Characteristics

Anode Voltage Connector: AMP type LGH
Focus and G2 Connector: Tip Jack type 5419-139
Input Connector: AMP type 65043-034LF
Turn On Time: Less than 10 Sec after Power On
Anode Voltage Stability: Less than ± 50 Volts DC
Static Ripple: Less than 20 Volts Peak-Peak
Dynamic Load Regulation Meets or Exceeds Honeywell Specification
Operational Temperature -20 to +75 °C
Power Requirements ± 15 VDC at <150mA Max

HVPS Top View

