

Digital Altimeter Setting Indicator

DASI



COMPLIANCES

FAA-E-2569

FA-10454

PRODUCT APPLICATION

The Digital Altimeter Setting Indicator (DASI) computes and displays Altimeter Setting Indication (ASI) for Air Traffic Controllers. ASI is displayed in four significant digits with no degradation in accuracy. DASI measures the atmospheric pressure and converts the measured pressure value into the actual sea level pressure based on the U.S. Standard Atmospheric Table. Elevation setting and ASI correction, if required, are implemented through a front panel keyboard. No periodic gain or slope adjustments are necessary. The sensor measures atmospheric pressure with an accuracy which provides the specified system accuracy of +/- .005 inches when the ASI reading is developed. The sensor is capable of withstanding pressure input of 15 to 36 inches of mercury without damage or requiring calibration. Built-in test functions are provided in the equipment to monitor computation or transmission errors.

FEATURES

- Digital keyboard for all entries
- Adjustable display intensities
- Slope/Gain control not required
- Barometric sensor for high accuracy and long-term stability
- Optional metric system available
- Optional 220 Vac, 50 Hz available
- Ease of maintenance and repair
- Full factory support
- Proven operational service

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PRODUCT HIGHLIGHTS

- High Accuracy and Long Term Stability
- Elevation and ASI Correction
- Sensor/Translator Unit (Primary Unit) supports up to 50 Digital Display Panels (Secondary Units)

SPECIFICATIONS

Pressure Input: 15 to 36 Hg.

Temperature: 10 to 50 °C

Elevation: -100 to 8,000 ft.

Humidity: Up to 80% Non Condensing

POWER REQUIREMENTS

S/T Unit: 115 Vac, 10 Watts

DDP Unit: 115 Vac, 5 Watts

SYSTEM COMPONENTS

System components include the Sensor/Translator (S/T) Unit (designed to mount in a standard 19 inch rack-mount shelf) and the Digital Display Panel (DDP) Unit. DDPs are located in the approach, departure, and en-route radar facilities, as well as the air traffic control towers.

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