Displays and Avionics
Product Guide

A complete line of displays, avionics and instrumentation for commercial, military and aerospace applications.

• Navigational Instruments
• Engine Indicators
• Signal Data Converters
• Spares and Service - FAA Repair Station: L17R251Y

MOOG
Display and Avionics

With over 35 years of experience in cockpit displays, avionics and instrumentation, Moog is a prime contributor to the success of numerous aerospace platforms. We offer total in-house engineering capabilities for design, manufacture and test of a full range of products. As the supplier of choice for major OEMs in the fixed wing and rotary wing communities, we serve both the military marketplace and commercial aviation.

General Aviation

BDI-302
Digital Bearing Distance Indicator

The BDI-302 Digital Bearing Distance Indicators are full function, dual switched pointer, rotating azimuth display instruments with a dual DME distance display. The modular design allows for configurations which can accept a variety of different signal formats, including, but not limited to, ARINC 429, ARINC 407 (XYZ), CSDB and SIN / COS.

• Display of a variety of digital and / or analog signal formats
• Dual switchable bearing pointers
• Warning flags indicate VOR / ADF and HEADING information
• Meets environmental requirements for many aircraft installations

HSI-415
Horizontal Situation Indicator

The HSI-415 is a panel mounted, internally lighted Horizontal Situation Indicator (HSI) capable of providing display of aircraft heading, bearing course, course deviation, VOR to / from and glidescope information. This instrument is ideally suited for “third system” standby operation through the use of an internal VOR-LOC composite video converter.

• Unique Radio Magnetic Indicator mode of operation
• Display of either XYZ or DC SIN / COS bearing information
• Internal VOR-LOC converter available for use when required by a specific installation

RMI-301
Radio Magnetic Indicator

The Model 301 Radio Magnetic Indicators are full function, dual switched pointer, rotating azimuth display instruments, compatible with ARINC-429 equipment.

• Display of ARINC 429 heading and bearing information
• Internally lighted by an anti-reflection coated glass wedge
• Modular electronics packaging facilitates rapid service and repair
• Self-contained, state-of-the-art electronics to enhance reliability and accuracy
• Meets rigid environmental requirements for most aircraft installations

RMI-3100
Radio Magnetic Indicator

Model 3100 Series Radio Magnetic Indicator is designed for use with remote mounted avionics in both fixed wing and rotary wing aircraft. A servo driven compass azimuth dial operating against a fixed lubber line presents aircraft heading information to the pilot. Each of two pointers provide bearing information for a selected ADF or VOR station.

RMI-3337
Radio Magnetic Indicator

The Model 3337 Radio Magnetic Indicator is designed for installations utilizing remote mounted avionics in both fixed wing and rotary wing aircraft. The unit presents aircraft magnetic heading on a standard azimuth dial rotating under a fixed lubber line.

• Interfaces directly with most all navigational receivers
• Internally lighted display
Signal Data Conversion

Whatever your signal conditioning needs, we lead the way with a multitude of signal conversion devices that provide interface to and from navigation and avionics systems.

Typical examples would include synchro-to-digital and digital-to-synchro converters that are compatible with MIL-STD-1553 B Data Bus and a variety of other custom signals.

Typical Signals

Our platform experience includes major commercial and military programs: ARINC 407, ARINC 429, ARINC 461, ARINC 568, ARINC 575, ARINC 582, CSDB, VOR SIN / COS, VOR COMPOSITE VIDEO, MIL-STD-1553 A/B, ADF DC SIN / COS, RS232, RS485, SYNCHRO, RESOLVER, ANALOG, DIGITAL BIT PARALLEL

LCD Displays

High-Tech Presentation Plus Improved Reliability

Our solid state indicators provide an economical upgrade to your instrument panel with today's digital look. The LCD indicators are designed, developed and produced by Moog. With extensive experience in avionics, you can be confident of the highest quality product, service and support.

Trainer Aircraft

HSI-323A
Horizontal Situation Indicator

The HSI-323A is a 3ATI panel-mounted, internally lighted Horizontal Situation Indicator (HSI) that provides a pictorial display of the horizontal navigation situation, plus manual controls for course and heading selection.

- Servo-driven heading display card with warning flag for invalid heading data
- Two servo-driven bearing pointers, with a parking feature for invalid bearing data
- Selected course pointer that supports servo-driven and manually actuated modes of operation
- Lateral deviation bar, TO-FROM pointer and warning flag for invalid navigation data
- Manually actuated selected heading marker
- Digital distance display
- Digital selected course display
- Accepts data in ARINC 582 and ARINC 407 formats for operation in TACAN, VOR, Inertial Reference Systems and Localizer modes
- Master / Slave Mode Selection to display student's course selection on instructor's HSI for tandem trainer configurations such as the Alpha-Jet aircraft.
- Bearing pointer #1 processes and displays navigation data selected from either of two independent sensors. Selection is accomplished using an external mode-switch or hard wired where dual inputs are not required. One digital input (ARINC 582) and one analog synchro input (ARINC 407) are provided to accommodate a variety of equipment configurations
- Bearing pointer #2 processes and displays digital navigation data conforming to ARINC 582
- Deviation from the selected course is calculated within the HSI and displayed using data from any of the three possible bearing inputs. Selection of the data source is accomplished using an external mode-switch or hard wired where multiple inputs are not required
- Localizer mode (ILS Energize) provides access to drive the lateral deviation bar and warning flag from the unit's rear connector, using standard DC analog signals