



PRODUCT SPOTLIGHT



Mid-Continent products are found in the world's most trusted aircraft — Cessna, Diamond, Beechcraft, Cirrus, Piper, Robinson, Eurocopter and many others.

MD302 Standby Attitude Module — SAM®

Entirely self-contained, SAM® is the first 2-inch, solid-state instrument to provide attitude, altitude, airspeed and slip information to the pilot. SAM's advanced, two-screen display features selectable horizontal and vertical orientation, high-definition graphics and extra-wide viewing angles.

- Lightweight (1.6 lbs)
- Compact design (2.4" x 5.5")
- 10–32 VDC input
- ARINC 429 interfaces (selectable high/low speed)
- Self-contained, rechargeable Nanophosphate® lithium-ion battery
- Field-upgradable software via standard USB port
- Aircraft-specific, programmable airspeed range markings
- FAA TSO certified to C2d, C3e, C4c, C10b, C106, C113a, C179a
- RTCA DO-178B and DO-254 Design Assurance Level (DAL) A
- RTCA DO-160 qualified



MD302

NEW

True Blue Power® TA102 Dual USB Charging Port

The power you need in a small, economical package. The TA102 Dual USB Charging Port simultaneously provides 2.1 amps per charging port to any consumer product requiring a USB interface. This includes cell phones, tablets and GPS devices. It is a modern addition to any cockpit and interior cabin. The TA102 protects itself and the charging device from short-circuit, power surges and over-current potential. Lighted units available.

- Lightweight (0.2 lbs)
- 10–32 VDC input
- 2.1 amps per charging port
- Panel or cabin; front or rear mount
- Charge one or two products simultaneously
- FAA TSO-C71 certified
- RTCA DO-160G qualified



TA102

NEW

MID-CONTINENT INSTRUMENTS AND AVIONICS | PRODUCT SPOTLIGHT

True Blue Power® TS835 Series Emergency Power Supply

The TS835 Series features innovative Nanophosphate® lithium-ion battery technology which offers stable chemistry, consistent output, excellent life, reduced maintenance requirements, lower cost of ownership and a 63% weight savings over traditional lead-acid batteries. All with a 2-year warranty. The TS835-5 includes an integrated 5V output for panel lighting requirements.

- Lightweight (4.7 lbs)
- Input 24–32 VDC, output 4.5 amp-hours at 24.5 VDC
- Direct replacement for L-3 (J.E.T.) PS-835 and PS-855 units
- Part 23 AML STC certified
- 8 to 10-year life expectancy
- FAA TSO C179a certified and EASA ETSO C179a certified
- RTCA/DO-160F and RTCA/DO-311 qualified
- TCCA certified



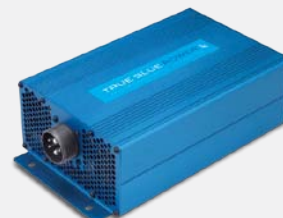
TS835

True Blue Power® TI500 and TI1200 Static Inverters

Lighter and smaller than competing inverters, the TI500 and TI1200 static inverters have the same connector and footprint of legacy designs, plus overload and short-circuit protection up to 150% of the rated load.

The TI500 (500 watts) and TI1200 (1200 watts) each provide 115 volts of 60 Hz, "wall-outlet" power from the aircraft's 28 VDC system.

- Lightweight (TI500: 3.9 lbs)(TI1200: 7.3 lbs)
- Remote On/Off capability
- 2-year warranty
- Direct replacement (TI500: KGS SS50)(TI1200: KGS SS120)
- Compact design
- Integral cooling with dual, electronically-controlled brushless fans
- Supplies power to multiple cabin accessories, galley equipment and entertainment systems
- Ideal for use in EMS, law enforcement and VIP cabin configurations
- FAA TSO-C73 certified and RTCA DO-160 qualified



TI1200



TI500

True Blue Power® TI10 DC-AC Sine Wave Inverter

The improved TI10 DC-to-AC solid-state, sine wave inverter provides a reliable source of 26 volt, 400 Hz AC power. Versatile, compact and lightweight, it is ideal for use with Stormscope, bootstrap, GAD42, GAD43 and similar installations.

- Lightweight (0.28 lbs)
- Pure sine wave output remains stable regardless of input voltage fluctuations
- Transient and reverse polarity protected
- Accepts 11 to 40 VDC input
- FAA PMA approved



TI10

4300 Series Electric Attitude Indicator

Mid-Continent Instruments and Avionics' 4300 Electric Attitude Indicator, the *Lifesaver*®, is standard equipment on over twenty aircraft models and several aftermarket certifications. Its innovative design, ease of installation and cost-benefit make this an ideal primary or standby artificial horizon.

- Optional battery backup provides one hour of emergency power
- Direct replacement for many outdated AIM and RC Allen models
- 10–32 VDC input
- NVG compatible option
- Traditional or delta-wing display option
- Standard equipment on Beechcraft, Diamond, Piper, Cirrus, Robinson Helicopter and Quest aircraft
- FAA TSO certified and RTCA DO-160D qualified



4300-411

MID-CONTINENT INSTRUMENTS AND AVIONICS | PRODUCT SPOTLIGHT

3300 Series Directional Gyro

Advanced circuitry and improved design allow the 3300 Directional Gyro to withstand high vibration, while requiring less than half the power of standard electric directional gyros. Precision engineering and high quality result in exceptional performance, less precession and realignment.

- Lightweight (1.8 lbs) — One pound less than competing products
- Lighted version available with crisp LED backlit display
- Multi-voltage input of 10–32 VDC
- Direct replacement for many of the outdated AIM and RC Allen units
- Certified on Robinson R22, R44 and R66 helicopters
- FAA TSO certified and RTCA DO-160E qualified



3300-10

2-inch Standby Package

When panel space is tight, the answer is Mid-Continent Instruments and Avionics' 2-inch Standby Package — 4200 Series Electric Attitude Indicator, MD25 Series 2-inch Airspeed Indicator and MD15 Series 2-inch Altimeter. Providing dependable backup instrumentation in a certified, economical suite.



2-inch Standby Package

4200 Series 2-inch Electric Attitude Indicator

The 4200 Mini Gyro is a standby attitude indicator typically used with glass panel installations. At half the cost of the competition, this small 2-inch unit saves panel space, time and money.

- Excellent standby instrument for primary indicators such as EFIS displays
- Multi-voltage input of 10–32 VDC
- Traditional or delta-wing display option
- Optional slip indicator
- Standard equipment on the Cessna Mustang and Diamond DA50 as well as Garmin G600 and G1000 STCs
- FAA TSO certified and RTCA DO-160D qualified



4200-10
(Shown with optional slip indicator)

MD25 Series 2-inch Airspeed Indicator

The MD25 Series 2-inch Airspeed Indicators are TSO certified and offer custom airspeed markings to match any aircraft operating handbook. The 2-inch indicators have been used in many aftermarket and OEM installations. They are ideal standby indicators for glass panel installations.

- Scale: knots
- Weight: 0.6 lbs
- Range markings optional per customer — must provide operating handbook data
- Field-replaceable light tray (5, 14 and 28 VDC) with incandescent bulbs or white LEDs
- Rear or front-panel mounting
- Anti-reflective glass enhances visibility



MD25-260

MD15 Series 2-inch Altimeter

The MD15 Series 2-inch Altimeters are affordable, certified, easy-to-read and display a 3-pointer configuration. The unit completes a standby package when combined with the 4200 Attitude Indicator and MD25 Airspeed Indicator. The MD15 is FAA TSO C10b certified to 20,000 or 35,000 feet.

- Scale: millibars (mb) / hectopascals (hPa) or inches of mercury (in.Hg)
- Range: -1,000 to 20,000 or 35,000 feet
- Field-replaceable light tray (5, 14 and 28 VDC) with incandescent bulbs or white LEDs
- Rear-panel mounting
- Anti-reflective glass enhances visibility



MD15-222

MID-CONTINENT INSTRUMENTS AND AVIONICS | PRODUCT SPOTLIGHT

MD41 Series GTN and TAWS Annunciators

Why risk your business and reputation by using uncertified, unproven parts for terrain awareness when you can use an FAA TSO approved unit from Mid-Continent Instruments and Avionics?

Approved to strict TSO standards, Mid-Continent ACUs are engineered as a compact, affordable solution to the challenge of installing several switches. Most versions are configured for 14V or 28V with vertical or horizontal mounting and feature long-life lamps or LED lighting with automatic photocell dimming.

Our newest ACU, the MD41-1510 provides annunciation for the Garmin GTN 650 and 750 GPS receivers. New functionality includes the loss of integrity annunciation and suspend button.

The MD41-1048 is designed to place annunciation and mode selection for the Helicopter Terrain Awareness Warning System (HTAWS) within the pilot's direct field of view. These annunciators provide tactile feedback to the pilot through internally lighted push buttons.

- Automatic photocell with dimming adjustment setting
- Manual and remote test capability
- Excellent daylight readability
- Available in several configurations



MD41-1510



MD41-1048

MD200-306 Course Deviation Indicator

This 3-inch CDI features new generation rectilinear meter movements, a course selector and resolver output. It is an ideal complement to current and legacy GPS and NAV systems, offering heightened navigational awareness.

- Built-in annunciators
- Great visibility including anti-reflective coated glass
- Replaces Bendix/King KI206 and Collins Micro Line IND 350 series
- WAAS capable when interfaced with an appropriate GPS receiver
- NVIS compatible through third-party modification
- EASA and FAA TSO certified



MD200-306

MD222-406 2-inch Course Deviation Indicator

This small 2-inch course deviation indicator has the same features as the 3-inch MD200 and requires little panel space. With built-in annunciators and rectilinear meter movements, the MD222-406 is an ideal interface with popular Garmin and Bendix/King NAV and GPS systems.

- Great visibility — LED lighting and anti-reflective coated glass
- Indicator needles stow out of site when a valid signal is not present
- Precision replacement for older navigation indicators
- NVIS compatible through third party modification
- FAA TSO certified



MD222-406