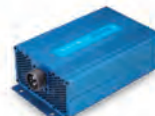


Quality Aircraft Instruments, Avionics and Power Solutions



Business / General Aviation

Commerical / Air Transport

Fixed Wing / Rotorcraft



# Fly SAM<sup>®</sup>



Compact. Flexible. Advanced.  
2-inch attitude, altitude, airspeed and slip.

**flySAM.com**



SELECTABLE  
ORIENTATION



FIELD  
UPGRADEABLE  
SOFTWARE



LITHIUM-ION  
EMERGENCY  
BATTERY

Savvy pilots choose Mid-Continent Instruments and Avionics when they want exceptional reliability and top performance from their flight instruments. We have supplied quality products to the general aviation industry for more than 50 years.

Mid-Continent Instruments and Avionics sets the standard with innovative products that meet or exceed the FAA's stringent certification requirements.

All aftermarket products manufactured and distributed by Mid-Continent Instruments and Avionics are included in this catalog. In addition to these products, we manufacture a wide variety of items that are sold only to OEMs, such as Bell Helicopter, Beechcraft, Cessna, Cirrus, Diamond, Piper, Robinson Helicopter, Airbus and Tecnam.

Our availability to our customers is unmatched. Strategic locations in Wichita, Kansas and Van Nuys, California offer convenient, responsive service worldwide. Visit [mcico.com](http://mcico.com) to locate a dealer, view technical drawings and installation manuals, take virtual tours and research part numbers.

Mid-Continent Instruments and Avionics uses the latest technology, new materials and our vast knowledge to meet the needs of airframe manufacturers and individual aircraft owners.

**When visiting your avionics shop for service, insist on Mid-Continent Instruments and Avionics.**

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**Mid-Continent sells directly to qualified avionics/instrument shops, FAA repair stations, FBOs and OEMs. Purchase these products from your local avionics dealer or visit our dealer locator at [mcico.com](http://mcico.com) to find a dealer in your area. All instruments and accessories are FAA-approved unless otherwise noted. Installation manuals and operating instructions are available at [mcico.com](http://mcico.com).**

## Airspeed, 2-inch

### Mid-Continent Instruments and Avionics

Lightweight and compact, this 2-inch indicator is ideal for a wide range of general and business aviation aircraft. It is used by OEMs as standard equipment and in many aftermarket programs. It is included in the Garmin G500/G600 AML STC.

Combine a 2-inch airspeed indicator with Mid-Continent's 2-inch MD15 Altimeter and 4200 Attitude Indicator for a complete standby package designed for tight panel applications.



**MD25-350**



**MD25-260**

PART NO.	CONFIGURATION	LIST PRICE
MD25-160	20-160 knots, Lighted	\$1,875
MD25-200	40-200 knots, Lighted	\$1,875
MD25-260	40-260 knots, Lighted	\$1,875
MD25-300	40-300 knots, Lighted	\$1,875
MD25-350	40-350 knots, Lighted	\$1,875
MD25-400	40-400 knots, Lighted	\$1,875

Range markings \$200 additional. Allow 2-week lead time for dials.  
Specify lighting voltage and type (LED or incandescent) when ordering.

## Airspeed, 3-inch

### United Instruments

This popular 3-inch airspeed indicator is ideal for new installations or as a retrofit for older, outdated indicators. Specific range markings and dial configurations can be added to correspond with each individual aircraft.

The 8100 Series provides true airspeed indication by turning the knob and setting the outside air temperature in the TAS window.



**8000 Airspeed**



**8100 True Airspeed**

PART NO.	CONFIGURATION	LIST PRICE
8000 Series	150, 200, 250, 300 or 400 MPH	\$942
8000 Series	150, 200, 250, 300 or 400 MPH, Lighted	\$1,239
8100 Series	180, 200, 250, 300 or 400 MPH	\$1,018
8100 Series	180, 200, 250, 300 or 400 MPH, Lighted	\$1,315

Range markings \$200 additional.  
Specify lighting voltage and type (LED or incandescent) when ordering.



MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
MD215	6420215-3	55K, CDP, ATI, Dual Scale, Black Bezel	\$5,993
MD215	6420215-1	55K, CDP, ATI, Dual Scale, Black Bezel, Internal Battery	\$5,993
MD215	6420215-4	55K, CDP, ATI, Dual Scale, Gray Bezel	\$5,993
MD215	6420215-2	55K, CDP, ATI, Dual Scale, Gray Bezel, Internal Battery	\$5,993
MD215	6420215-7	55K, CDP, Dual Scale, Black Bezel	\$5,993
MD215	6420215-5	55K, CDP, Dual Scale, Black Bezel, Internal Battery	\$5,993
MD215	6420215-8	55K, CDP, Dual Scale, Gray Bezel	\$5,993
MD215	6420215-6	55K, CDP, Dual Scale, Gray Bezel, Internal Battery	\$5,993



**MD215**

## Altimeter, 2-inch, Counter Drum

### Mid-Continent Instruments and Avionics

The MD215 Series altimeter combines the time-tested familiarity of a mechanical display with the reliability and value of electronic pressure sensing and servo-driven motors.

The MD215 is a perfect form and fit replacement for traditional 2-inch counter drum products, which can be expensive to repair or replace.



**MD15-222**



**MD15-211**

PART NO.	CONFIGURATION	LIST PRICE
MD15-222	20K, 3-ptr., Left-hand knob, Inches, Lighted	\$5,084
MD15-212	20K, 3-ptr., Left-hand knob, Millibars, Lighted	\$5,084
MD15-221	20K, 3-ptr., Right-hand knob, Inches, Lighted	\$5,084
MD15-211	20K, 3-ptr., Right-hand knob, Millibars, Lighted	\$5,084
MD15-322	35K, 3-ptr., Left-hand knob, Inches, Lighted	\$5,319
MD15-312	35K, 3-ptr., Left-hand knob, Millibars, Lighted	\$5,319
MD15-321	35K, 3-ptr., Right-hand knob, Inches, Lighted	\$5,319
MD15-311	35K, 3-ptr., Right-hand knob, Millibars, Lighted	\$5,319

*Specify lighting voltage and type (LED or incandescent) when ordering.*

## Altimeter, 2-inch, 3-pointer

### Mid-Continent Instruments and Avionics

Reliable for primary or standby use, these altimeters provide flight-critical data with a three-pointer configuration. The compact, 2-inch size is ideal for complex panel installations. Lighting is included. These altimeters are used in many popular OEM and STC programs.

Pricing and availability are subject to change without notice.

Altimeter, 3-inch,  
3-pointer

United Instruments

Designed to help the pilot determine altitude by measuring existing atmospheric pressure, this altimeter translates the measurement into “height above sea level.” This is indicated on the dial of the instrument in feet, which requires setting the barometric pressure in the Kollsman window.



5934P-3A.83



5934PAM-3A.87



5934PD-3A.130

PART NO.	CONFIGURATION	LIST PRICE
5934P-3A.83	20K, Inches	\$1,512
5934P-3A.194	20K, Inches, Lighted	\$1,809
5934PD-3A.130	20K, Dual scale	\$1,542
5934PD-3A.250	20K, Dual scale, Lighted	\$1,840
5934PM-3A.84	20K, Millibars	\$1,512
5934PM-3A.199	20K, Millibars, Lighted	\$1,809
5934PA-3A.86	35K, Inches	\$1,702
5934PA-3A.122	35K, Inches, Lighted	\$2,000
5934PAD-3A.132	35K, Dual scale	\$1,729
5934PAD-3A.259	35K, Dual scale, Lighted	\$2,025
5934PAM-3A.87	35K, Millibars	\$1,702
5934PAM-3A.185	35K, Millibars, Lighted	\$2,000
5035P2-P42P.140	20K, Dual scale, Lighted, Encoding	\$7,745

Specify lighting voltage and type (LED or incandescent) when ordering.

Altimeter, 3-inch,  
Baro Output

United Instruments

Compatible with most air data systems, this lighted indicating altimeter provides standard DC barometric output to 35,000 feet.

Front looks like 5934PD shown above.



5934PAD-3BA.649P

PART NO.	CONFIGURATION	LIST PRICE
5934PAD-3BA.649P	35K, Dual scale, Baro output, Lighted	\$3,400

Specify lighting voltage and type (LED or incandescent) when ordering.

Pricing and availability are subject to change without notice.

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting.

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 14V or 28V with vertical or horizontal mounting and feature long-life lamps or LEDs with automatic photocell dimming.

## ACU for Freeflight

### Mid-Continent Instruments and Avionics

#### 2000APR, 2101 (ALL)

PART NO.	CONFIGURATION	LIST PRICE
MD41-1628	Horizontal, 28V (head only)	\$1,047
MD41-628	Horizontal, 28V (with internal relay)	\$1,416
MD41-1628	Horizontal, 28V (with remote relay)	\$2,126

## Garmin WAAS ACU

### GTN 650/750 SERIES

PART NO.	CONFIGURATION	LIST PRICE
MD41-1512	Horizontal, 14V, LED lighting	\$1,402
MD41-1510	Horizontal, 28V, LED lighting	\$1,402
MD41-1514	Horizontal, 28V, 5V lighting, LED lighting	\$1,402
MD41-1513	Vertical, 14V, LED lighting	\$1,402
MD41-1511	Vertical, 28V, LED lighting	\$1,402
MD41-1515	Vertical, 28V, 5V lighting, LED lighting	\$1,402

### GNC 420W, GNS 430W/530W

PART NO.	CONFIGURATION	LIST PRICE
MD41-1464A	Horizontal, 14V	\$1,402
MD41-1468A	Horizontal, 28V	\$1,402
MD41-1484W	Horizontal, 14V, LED lighting	\$827
MD41-1488W	Horizontal, 28V, LED lighting	\$827
MD41-1494W	Vertical, 14V, LED lighting	\$827
MD41-1498W	Vertical, 28V, LED lighting	\$827

### GNC 420W, GPS 400W/500W

PART NO.	CONFIGURATION	LIST PRICE
MD41-1404A	Horizontal, 14V (head only)	\$1,370
MD41-1408A	Horizontal, 28V (head only)	\$1,370
MD41-1404A	Horizontal, 14V (with remote relay)	\$2,449
MD41-1408A	Horizontal, 28V (with remote relay)	\$2,449

## ACU for Garmin

### Mid-Continent Instruments and Avionics

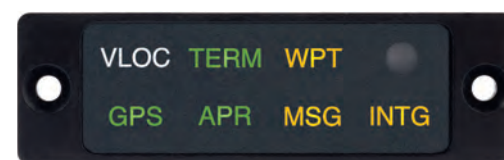
The self-contained MD41-1488W provides the required WAAS annunciation for the Garmin 400W and 500W series of GPS receivers.



**MD41-1510**



**MD41-1468A**



**MD41-1488W**

Pricing and availability are subject to change without notice.

## ACU for Garmin

### Mid-Continent Instruments and Avionics

#### GPS 155/165



**MD41-1428**

PART NO.	CONFIGURATION	LIST PRICE
MD41-1428	Horizontal, 28V (head only)	\$1,167
MD41-428	Horizontal, 28V (with internal relay)	\$1,641
MD41-1428	Horizontal, 28V (with remote relay)	\$2,246

#### GPS 155XL/GNC 300XL



**MD41-428**

PART NO.	CONFIGURATION	LIST PRICE
MD41-1444	Horizontal, 14V (head only)	\$1,167
MD41-444	Horizontal, 14V (with internal relay)	\$1,641
MD41-1444	Horizontal, 14V (with remote relay)	\$2,246
MD41-1448	Horizontal, 28V (head only)	\$1,167
MD41-448	Horizontal, 28V (with internal relay)	\$1,641
MD41-1448	Horizontal, 28V (with remote relay)	\$2,246
MD41-1454	Vertical, 14V (head only)	\$1,167
MD41-1454	Vertical, 14V (with remote relay)	\$2,246
MD41-458	Vertical, 28V (with internal relay)	\$1,641

#### GPS 400/500, GNC 420/520, GTN 625/650/725/750



**MD41-1408A**

PART NO.	CONFIGURATION	LIST PRICE
MD41-1404A	Horizontal, 14V (head only)	\$1,370
MD41-1404A	Horizontal, 14V (with remote relay)	\$2,449
MD41-1408A	Horizontal, 28V (head only)	\$1,370
MD41-1408A	Horizontal, 28V (with remote relay)	\$2,449
MD41-1418A	Vertical, 28V (head only)	\$1,370
MD41-1418A	Vertical, 28V (with remote relay)	\$2,449

## ACU for Avidyne

### Mid-Continent Instruments and Avionics

#### IFD 440/540



**MD41-1468A**

PART NO.	CONFIGURATION	LIST PRICE
MD41-1464A	Horizontal, 14V	\$1,402
MD41-1484W	Horizontal, 14V, No buttons	\$827
MD41-1474A	Vertical, 14V	\$1,402
MD41-1494W	Vertical, 14V, No buttons	\$827
MD41-1468A	Horizontal, 28V	\$1,402
MD41-1470	Horizontal, 28V	\$1,402
MD41-1488W	Horizontal, 28V, No buttons	\$827

Pricing and availability are subject to change without notice.



## ACU for Honeywell (Bendix/King)

Mid-Continent Instruments and Avionics

### KLN-90B

PART NO.	CONFIGURATION	LIST PRICE
MD41-1328	Horizontal, 28V (head only)	\$1,317
MD41-328	Horizontal, 28V (with internal relay)	\$1,641
MD41-1328	Horizontal, 28V (with remote relay)	\$2,396



MD41-1328

### KLN-89B/94

PART NO.	CONFIGURATION	LIST PRICE
MD41-1524	Horizontal, 14V (head only)	\$1,047
MD41-524	Horizontal, 14V (with internal relay)	\$1,498
MD41-1524	Horizontal, 14V (with remote relay)	\$2,126
MD41-1528	Horizontal, 28V (head only)	\$1,047
MD41-528	Horizontal, 28V (with internal relay)	\$1,498
MD41-1528	Horizontal, 28V (with remote relay)	\$2,126



MD41-1528

### KLN-900

PART NO.	CONFIGURATION	LIST PRICE
MD41-1928	Horizontal, 28V (head only)	\$1,325
MD41-1928	Horizontal, 28V (with remote relay)	\$2,404

### KSN 770

PART NO.	CONFIGURATION	LIST PRICE
MD41-1772	Horizontal, 14V, LED lighting	\$809
MD41-1770	Horizontal, 28V, LED lighting	\$809
MD41-1776	Vertical, 14V, LED lighting, NAV/GPS switch	\$1,374
MD41-1774	Vertical, 28V, LED lighting, NAV/GPS switch	\$1,099

Pricing and availability are subject to change without notice.

# Annunciation Control Units

Designed to place annunciation and mode selection for the Terrain Awareness Warning System (TAWS) within the pilot's direct field of view, these annunciators provide tactile feedback to the pilot through internally lighted push buttons. Featuring automatic photocell dimming and manual and remote test capability, these units have excellent daylight readability. To meet various installation requirements, the annunciators are available in several configurations.



**MD41-1028**



**MD41-1048**



**MD41-1208**



**MD41-1368**



**MD41-1348**

## ACU for Garmin TAWS

### Mid-Continent Instruments and Avionics

PART NO.	CONFIGURATION	LIST PRICE
MD41-1028	1-button, Horizontal, 28V, LED lighting	\$1,317
MD41-1038	1-button, Vertical, 28V, LED lighting	\$1,317
MD41-1048	3-button, HTAWS, Horizontal, 28V, LED lighting	\$1,317

HTAWS — Helicopter Terrain Awareness Warning System

## ACU for Honeywell EGPWS

### Mid-Continent Instruments and Avionics

#### KGP 560/860

PART NO.	CONFIGURATION	LIST PRICE
MD41-1208	2-button, Horizontal, 28V	\$1,317
MD41-1218	2-button, Vertical, 28V, LED lighting	\$1,317
MD41-1308	3-button, Horizontal, 28V	\$1,528
MD41-1318	3-button, Vertical, 28V	\$1,528

#### MARK 21

PART NO.	CONFIGURATION	LIST PRICE
MD41-1368	3-button, HTAWS, Horizontal, 28V	\$1,317

#### MARK 22

PART NO.	CONFIGURATION	LIST PRICE
MD41-1348	2-button, HTAWS, Horizontal, 28V	\$1,317

EGPWS — Enhanced Ground Proximity Warning System

Pricing and availability are subject to change without notice.

## ACU for L-3 TAWS

### Mid-Continent Instruments and Avionics

PART NO.	CONFIGURATION	LIST PRICE
MD41-1108	3-button, Horizontal, 28V	\$1,528
MD41-1128	2-button, Horizontal, 28V	\$1,317



**MD41-1108**

## ACU for Sandel TAWS

### Mid-Continent Instruments and Avionics

PART NO.	CONFIGURATION	LIST PRICE
MD41-1248	3-button, Horizontal, 28V	\$1,528



**MD41-1128**



**8014458\***

PART NO.	CONFIGURATION	LIST PRICE
8014458*	File template — MD41-1XXX (3-button)	\$67
8014474*	File template — MD41-1XXX (1- or 2-button)	\$67
8014482*	File template — MD41-XXX	\$67

\* Not FAA-approved.

## Panel Tool

### Mid-Continent Instruments and Avionics

Specifically designed for use with MD41 GPS Annunciation Control Units, this tool cuts with acute precision. Such accuracy reduces both installation time and cost.

*Specify the MD41 version or dimensions when ordering to receive the correct size.*

PART NO.	CONFIGURATION	LIST PRICE
MD41-24P(14)	24-pole, 14V, PMA	\$1,079
MD41-244	24-pole, 14V, TSO	\$1,079
MD41-24P(28)	24-pole, 28V, PMA	\$1,079
MD41-248	24-pole, 28V, TSO	\$1,079

**MD41-24P(28)**



## Remote Relay Unit

### Mid-Continent Instruments and Avionics

This remote-mounted 24-pole unit features eight nitrogen-filled relays (3 poles per relay) with gold-plated contacts. Ideal for GPS/VOR transfer and audio switching applications, this unit provides unequaled integrity with fail-safe fault monitoring through interlocking of all internal relays.

Pricing and availability are subject to change without notice.





You only get one chance to install a *Lifesaver*.<sup>®</sup>

If your aircraft loses power, the *Lifesaver* may be the difference between life and death. The *Lifesaver* is the only electric attitude indicator with a built-in battery backup. It gives you one full hour of emergency attitude reference, the precious time you need to land safely. Install the *Lifesaver* now. You may not get a second chance.

[lifesavergyro.com](http://lifesavergyro.com)







**4300-411**



**4300-413**

## Attitude Indicator, Electric, *Lifesaver*®

### Mid-Continent Instruments and Avionics

The only electric attitude indicator with a self-contained battery backup, the *Lifesaver*® provides one hour of emergency attitude reference in the event of power failure. With 7,500 hours MTBF — more than double that of the competition — it is an exceptional value. TSO approved. Added safety, ease of installation and cost-benefit make this an ideal primary or standby artificial horizon.

Versions available to match existing instrument/EFIS displays. Anti-reflective glass and long-life lighting are standard on all Mid-Continent attitude indicators.

### LIFESAVER® — WITH BATTERY BACKUP

PART NO.	CONFIGURATION	LIST PRICE
4300-215	10-32V, Lighted, 7.5°, Beechcraft (inclinometer)	\$4,854
4300-411	10-32V, Lighted, 0-20°	\$4,740
4300-412	10-32V, Lighted, 0-20° (fixed dial)	\$4,740
4300-413	10-32V, Lighted, 0-20°, Delta	\$4,740
4300-414	10-32V, Lighted, 0-20°, Delta (fixed dial)	\$4,740
4300-431	10-32V, Lighted, 0-20° (high-res display)	\$4,740
4300-611	10-32V, Lighted, 0-20°, Auto switch to STBY power	\$4,740
4300-613	10-32V, Lighted, 0-20°, Delta, Auto switch to STBY power	\$4,740

Specify panel tilt, lighting voltage and type (LED or incandescent) when ordering.

PART NO.	OPTIONS AND ACCESSORIES	LIST PRICE
36022	Knob cover	\$65
36023	Slip indicator (inclinometer)	\$317
36027-1	Front mount adapter (1/2-inch thick)	\$176
36028-1	Front mount adapter (3/32-inch thick)	\$101
6430043-1	Battery charger/tester for 4300 Series	\$905
9015607	Replacement battery pack	\$267
9015640-1	Light tray, 5V, Incandescent (for 4300 only)	\$91
9015640-2	Light tray, 14V, Incandescent (for 4300 only)	\$91
9015640-3	Light tray, 28V, Incandescent (for 4300 only)	\$91
9016909-5	Light tray, 5V, LED (for 4300 only)	\$91
9016909-14	Light tray, 14V, LED (for 4300 only)	\$91
9016909	Light tray, 28V, LED (for 4300 only)	\$91
9015640-10	NVG light tray, 5V (for 4300 only)	\$497
9015640-12	NVG light tray, 28V (for 4300 only)	\$497
9015671	Remote mount kit for battery pack	\$89
MS3116F8-4S	Mating connector	\$94
PW-XX*	Panel wedges	\$150

\* Specify panel tilt when ordering.



**4300-431**

**FOR MORE INFORMATION, VISIT  
LIFESAVERGYRO.COM.**

Pricing and availability are subject to change without notice.

## Attitude Indicator, Electric, 3-inch

### Mid-Continent Instruments and Avionics

Engineered as a primary or standby artificial horizon in fixed-wing aircraft and helicopters, this indicator's single connection makes installation a snap. This indicator is standard equipment on many OEM aircraft, including the Beech Baron and Bonanza.

Featuring 10–32 volt DC operation, anti-reflective glass, long-life lighting and 7,500 hours MTBF, this is a cost-effective and safe alternative to unreliable vacuum systems.

**Remote emergency power supply available for this indicator (Page 21).**

Your attitude indicators are the greatest! They have proven their durability by holding up during aerobatics where every other brand has failed.

Paul “BJ” Ransbury  
APS Emergency Maneuver Training

## Attitude Indicator, Air, 3-inch

### Sigma-Tek

The Sigma-Tek attitude gyro is among the most popular air-driven gyros in general aviation. A trusted instrument, it has been used for many years on Cessna, Piper and Beech aircraft.



4300-311



4300-313

PART NO.	CONFIGURATION	LIST PRICE
4300-202	10–32V, 11°, Traditional, Robinson	\$3,924
4300-203	10–32V, 11°, Robinson (inclinometer)	\$4,137
4300-206	10–32V, 6.5°, Diamond (inclinometer)	\$4,187
4300-207	10–32V, 10°, Diamond	\$3,924
4300-208	10–32V, 14°, Cirrus (inclinometer)	\$4,137
4300-311	10–32V, Lighted, 0–20°	\$3,924
4300-312	10–32V, Lighted, 0–20° (fixed dial)	\$3,924
4300-313	10–32V, Lighted, 0–20°, Delta	\$3,924
4300-314	10–32V, Lighted, 0–20°, Delta (fixed dial)	\$3,924
4300-331	10–32V, Lighted, 0–20° (high-res display)	\$3,924

Specify panel tilt, lighting voltage and type (LED or incandescent) when ordering.



5000B-36



5000B-40

PART NO.	CONFIGURATION	LIST PRICE
5000B-36	0°	\$1,476
5000B-37	0°, Lighted	\$1,842
5000B-38	0°, Warning flag option	\$1,836
5000B-40	0°, Lighted, Warning flag option	\$2,162
5000B-42	8°	\$1,688
5000B-54	8°, Lighted	\$2,094

Specify lighting voltage and type (LED or incandescent) when ordering.

Pricing and availability are subject to change without notice.



**4200-10**  
with inclinometer option



**4200-11**

## Attitude Indicator, Electric, Mini Gyro, 2-inch

### Mid-Continent Instruments and Avionics

The Mini Gyro offers big features in a compact package. At half the cost of the competition, the Mini Gyro not only saves panel space, but also time and money. An ideal standby instrument, this TSO-approved indicator has 10–32 volt DC operation and is an attractive alternative to vacuum systems. It features unique LED lighting selectable to 5, 14 or 28 volts.

**Remote emergency power supply available for this indicator (Page 21).**

PART NO.	CONFIGURATION	LIST PRICE
4200-10	10–32V, Lighted, 0–20°	\$3,924
4200-11	10–32V, Lighted, 0–20°, Delta	\$3,924
36026	Slip indicator (inclinometer)	\$272

*Specify panel tilt and lighting voltage when ordering.*



**ANR26650M1-B**

## Battery

### A123 Systems, LLC

A123 Systems' high-performance Nanophosphate<sup>®</sup> Lithium-ion technology delivers high power and energy density combined with excellent safety performance and extensive life cycling.

Mid-Continent Instruments and Avionics is proud to be the worldwide distributor of A123's Nanophosphate<sup>®</sup> Lithium-ion cells for the aviation industry.

PART NO.	CONFIGURATION	LIST PRICE
ANR26650M1-B	Lithium-ion, Nanophosphate <sup>®</sup> , 26650, Cylindrical cell, 3.3V, 2.5 Ah	\$9.35

*Minimum quantity order is 10 cells.*

## Battery

### True Blue Power<sup>®</sup>

The TC3 Nanophosphate<sup>®</sup> Lithium-ion cell is TSO certified for aviation applications.

With low impedance and a thermally conductive design, the TC3 cell can be continuously discharged at a 35C rate and have consistent power over a wide state of charge (SOC) range.

MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
TC3	MD3	TSO certified, Lithium-ion, Nanophosphate <sup>®</sup> , ANR26650M1-B, Cylindrical cell, 3.3V, 2.5 Ah	\$14.50

*Minimum quantity order is 10 cells.*

Pricing and availability are subject to change without notice.

# Carburetor Temperature Indicators

## Avoid Carburetor Icing

Statistics show that the primary causes of engine failure in light aircraft are carburetor icing and spark plug fouling. Mid-Continent Instruments and Avionics' B-5 Temperature Probe and MD11 Gauge accurately measure internal carburetor temperatures, giving the pilot precise engine information during all phases of flight. Use of this system can eliminate carburetor icing, reduce spark plug fouling, extend engine life and increase range and power to help maximize fuel economy.

Mid-Continent Instruments and Avionics' B-5 Probe is the only FAA-approved STC'd internal carburetor temperature sensing device. Other probes that utilize a simple indicator light cannot offer precise temperature information. They disrupt fuel flow or don't fit inside the carburetor to sense air temperature at the throttle valve.

Designed for use with most Marvel-Schebler and Bendix float-type carburetors, the B-5 is the only probe that installs at the throttle valve — the critical icing point in fuel induction systems. The optimum internal temperature for light aircraft carburetors is 5°C, and spark plug manufacturers state that fuel is properly volatilized at 5°C to prevent plug fouling. Used with the MD11 Gauge, the B-5 Probe allows pilots to monitor and control carburetor heating to within 1°C for maximum safety and engine efficiency.

Don't guess when it comes to the safety and reliability of your aircraft!

MD11-4 and B-5



## Carb Temp Indicator

### Mid-Continent Instruments and Avionics

Used in many piston-powered aircraft, this carb temperature indicator warns of potential carburetor icing.

PART NO.	CONFIGURATION	LIST PRICE
MD11-3	14V PMA indicator	\$652
MD11-4	28V PMA indicator	\$652

## Carb Temp Kit

### Mid-Continent Instruments and Avionics

Kit includes MD11 Carb Temp Indicator, Connector and B-5 Probe.

PART NO.	CONFIGURATION	LIST PRICE
MD11-3K	14V PMA kit	\$1,045
MD11-4K	28V PMA kit	\$1,045

## Carb Temp Probe

### Mid-Continent Instruments and Avionics

The B-5 Carb Temp Probe works in conjunction with MD11 Series Carb Temp Indicators. Approved for many engines.

PART NO.	CONFIGURATION	LIST PRICE
B-5	PMA/STC Probe only	\$393

Contact [techsupport@mcico.com](mailto:techsupport@mcico.com) for STC and PMA information.

Pricing and availability are subject to change without notice.





**MD90**



**MD93**



## Clock

### Mid-Continent Instruments and Avionics

The MD93 Series Digital Clock/USB Charger features intuitive operation with four modes: Local Time, Universal Time, Flight Timer and Stopwatch. The Dual USB Charging Port charges any standard or high-power device with a USB interface, while protecting itself and the charging device from short circuit, power surges and over-current potential.

The MD90 Series 2-inch, electric, quartz clock is original equipment for Robinson Helicopter, Piper and Mooney. The extremely low current draw is a key feature, along with transient and reverse polarity protection. Choose lighted or unlighted dials.

MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
MD90	MD-90-1	8-32 VDC	\$331
MD90	MD-90L	8-32 VDC, Lighted	\$382
MD93	6420093-1	2-inch, 10-32 VDC, Digital, Dual USB	\$614

*Specify lighting voltage and type (LED or incandescent) when ordering MD90 Series.*

PART NO.	CONFIGURATION	LIST PRICE
C2200*	Replacement, Rivnut, Raised flange	\$316
C2300L4*	Replacement, 4 mounting holes	\$316
C2350L4-M23*	Replacement, 2 mounting holes	\$316
C2400-L4P*	Complete glareshield mounted assembly	\$410
C2400W/R*	Replacement, Rivnut (without flange)	\$316
C2400WO/R*	Replacement, Machined for pedestal mount	\$316
C23-807	Correction card	\$4
C21-400	Compensator	\$93
C24-550B	Light assembly (blue)	\$86

\* Configurations available for Southern Hemisphere.  
Indicate SF (Southern Field) when placing your order.

## Compass

### Airpath Instruments

Provides clear wide-angle visibility. Designed to fit into a glareshield mount, this TSO-approved compass is a replacement for several Cessna, Beech and Piper applications.

## Converter

### True Blue Power®

The TC280 produces energy to power electronic equipment throughout the aircraft, including in-seat, cabin and cockpit power applications. Smaller and lighter than competing units, it can be conveniently mounted in the floor or cabin wall.

The TC120 is a multi-purpose DC-to-DC Converter with a variable input and output. This converter is an ideal power source for low-voltage DC accessories and equipment.



**TC280**



MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
TC120	6430120-1	24-36 VDC in, 5-18 VDC out, 9A	\$483
TC280	6430280-1	115 VAC in, 28 VDC out, 280 watts	\$2,507

Pricing and availability are subject to change without notice.

## CDI for Avidyne, Garmin, Collins, Honeywell

### Mid-Continent Instruments and Avionics

The MD200 Series sets the standard for navigation instruments that are significantly more reliable, longer lasting and easier to read. Thousands have been sold by Garmin with the popular GNS 430/530 systems and the new GTN Series touchscreen navigators. The MD200 Series is a pin-to-pin replacement for the Collins Micro Line IND 350 Series and replaces the Bendix/King KI206.

Built-in annunciators are easy to view and save hundreds of dollars on most installations. These CDIs feature new-generation rectilinear meter movements for more accurate readings, plus a course selector and resolver output.

The MD200 Series can be configured for 14V or 28V installations.



**MD222-506\***



**MD222-406\***



**MD200-706**

### GTN 600/700 SERIES, CNX80, GX50/60, SL30, IND 350, GNS 400/500 SERIES, IFD 440/540

PART NO.	CONFIGURATION	LIST PRICE
MD200-706	3-inch, L/R, Glideslope with annunciators	\$2,506
MD200-707*	3-inch, L/R, Glideslope with annunciators, Course datum	\$3,057
MD222-406*	2-inch, L/R, Glideslope with annunciators, LED lighting, VLOC	\$2,787
MD222-506*	2-inch, L/R, Glideslope with annunciators, LED lighting, BC	\$2,787

## CDI for Garmin, 2-inch

### Mid-Continent Instruments and Avionics

#### GNC 250XL

PART NO.	CONFIGURATION	LIST PRICE
MD40-42L	Lighted — Msg Wpt	\$1,528

#### GNS 400/500 SERIES, GTN 600/700 SERIES

PART NO.	CONFIGURATION	LIST PRICE
MD222-406*	2-inch, L/R, Glideslope with annunciators, LED lighting, VLOC	\$2,787

#### GPS 155XL/165XL, GNC 300XL

PART NO.	CONFIGURATION	LIST PRICE
MD40-242L*	Lighted — Msg Wpt	\$3,127

*Specify lighting voltage and type (LED or incandescent) when ordering.*

Mid-Continent's high-quality NAV indicators are FAA TSO approved for use with GPS and VOR systems. Built-in GPS annunciation eliminates the need for external annunciation. With mil-spec connectors, anti-reflective glass, optional bezel lighting, durable construction and compact 2-inch size, the course deviation indicator (CDI) is engineered to meet the requirements of most GPS installations. Mode annunciation is specific to the manufacturer's GPS product line.

## CDI for Honeywell (Bendix/King), 2-inch Mid-Continent Instruments and Avionics

### KLN-89/90A

PART NO.	CONFIGURATION	LIST PRICE
MD222-506*	(NAV, GPS, BC) LED lighting, Rectilinear meter movements	\$2,787

### KLN-89B/90B/94/900, KSN 770

PART NO.	CONFIGURATION	LIST PRICE
MD222-506*	(NAV, GPS, BC) LED lighting, Rectilinear meter movements	\$2,787

### KLX-135/A

PART NO.	CONFIGURATION	LIST PRICE
MD40-42L	Lighted — Msg Wpt	\$1,528
MD222-506*	(NAV, GPS, BC) LED lighting, Rectilinear meter movements	\$2,787

*Specify lighting voltage and type (LED or incandescent) when ordering.*

## CDI for Various, 2-inch Mid-Continent Instruments and Avionics

PART NO.	CONFIGURATION	LIST PRICE
MD40-09L	Lighted — L/R only (without annunciation)	\$959

*Specify lighting voltage and type (LED or incandescent) when ordering.*



**MD40-42L**



**MD40-242L \***



**MD40-09L**

\* Models available with course selector resolver output.

Pricing and availability are subject to change without notice.



## Directional Gyro, Electric

### Mid-Continent Instruments and Avionics

Advanced circuitry and improved design allow this DG to withstand high vibration and require less than half the power of standard DGs. Lightweight (1.8 lbs.) and reliable, it utilizes long-life LEDs for a crisp, legible backlit display. With 10–32 volt DC input, it will work in any aircraft. Exceptional RTCA DO-160E HIRF immunity makes this an ideal replacement for heavy, older AIM and RC Allen units.



**3300-10**

PART NO.	CONFIGURATION	LIST PRICE
3300-10	10–32 VDC	\$3,830
3300-11	10–32 VDC, LED lighting	\$4,091
MS3116F8-4S	Mating connector	\$94

*Specify lighting voltage when ordering.*



**4000HR-3**



**4000B-31**



**4000C-1**

## Directional Gyro, Air Sigma-Tek

Sigma-Tek air-driven directional gyros are widely used in general aviation aircraft. Available options include autopilot interface, heading reference and lighting variations.

PART NO.	CONFIGURATION	LIST PRICE
4000B-30		\$1,476
4000B-31	Lighted	\$1,792
4000C	Autopilot, 52D54	\$2,730
4000C-1	Autopilot, 52D54M, Lighted	\$3,032
4000HR-2	Heading reference	\$1,836
4000HR-3	Heading reference, Lighted	\$2,184

*Specify lighting voltage and type (LED or incandescent) when ordering.*

Pricing and availability are subject to change without notice.



# Emergency Locator Transmitters

PART NO.	CONFIGURATION	LIST PRICE
S1851501-02	ELT, Integra AF	\$888
S1852501-02	ELT, Integra AF-H	\$1,018
S1850501-02	ELT, Integra AP, Auxiliary antenna	\$1,274
S1821502-02	ELT, 406 AF	\$3,310
S1822502-02	ELT, 406 AF-H	\$3,423



**S1851501-02**

## Emergency Locator Transmitter

### Kannad Aviation

Mid-Continent is an authorized dealer for Kannad Aviation, offering repair, warranty repair and warranty replacement services for Kannad Aviation emergency locator transmitters (ELTs).

Whether outfitting an aircraft with an ELT is mandated or preferred, installing an emergency beacon that will activate automatically in the event of an emergency is critical to ensuring the long-term safety of the crew.

### Mooney Ovation

Featuring Mid-Continent Instruments and Avionics' 4300 Lifesaver® Electric Attitude Indicator



**AVAILABLE FOR PURCHASE FROM YOUR LOCAL AVIONICS RETAILER.**

Contact Technical Support at [techsupport@mcico.com](mailto:techsupport@mcico.com) or call 888-896-2635 (Monday–Friday 8 a.m.–7 p.m. CST).

## MORE POWER LOWER COST OF OWNERSHIP



**TS835 Series  
Emergency Power Supply**

	BATTERY TECHNOLOGY	VOLTAGE OUTPUT	(IC Rate) CAPACITY	WEIGHT	MAINTENANCE	LIFE EXPECTANCY
TS835-1, TS835-5	Lithium-ion	24.5 VDC	4.5 amp-hours	4.7 lb	2 years	10 years
PS-835, PS-855	Lead-acid	24.0 VDC	4.2 amp-hours	13.0 lb	1 year	3 years

The True Blue Power **TS835 Series Emergency Power Supply** features advanced lithium-ion chemistry, providing several advantages over older, lead-acid designs. The TS835 is 63% lighter, reduces maintenance costs and has an improved 10-year life expectancy. That all adds up to a lower cost of ownership.

[truebluepowerusa.com](http://truebluepowerusa.com)



TRUE BLUE  
POWER



TS420-1

FOR MORE INFORMATION, VISIT  
[TRUEBLUEPOWERUSA.COM](http://TRUEBLUEPOWERUSA.COM).

## Emergency Power Supply

True Blue Power®

Eliminate the need to remember to arm and disarm the standby system with a lightweight, automatic power supply. Designed to power one Mid-Continent attitude indicator and the lighting of an airspeed and altimeter for one hour — the power supply arms at the beginning of flight, activates instantly upon power loss, recharges during flight and automatically shuts off after flight. Utilizing sealed lead-acid cells for reliability and cold-weather performance, an emergency power supply is a serious safety addition to any panel.

Includes all mounting hardware and connectors. No expensive mounting tray is required, which saves even more money and weight.

The TS420-1 was selected as the battery backup for the Honeywell Bendix/King KFD840. It can also be used as a backup power source for Mid-Continent electric attitude indicators.

## Emergency Power Supply

True Blue Power®

This 4.5 amp-hour battery features an advanced Nanophosphate® Lithium-ion cell chemistry that offers distinct advantages over older, lead-acid designs. This includes less weight, reduced maintenance costs and greater life expectancy.

The TS835 Series mounts in a standard 1/4 ATR rack and are a direct replacement for J.E.T. PS-835 and PS-855 units. The emergency power supply automatically provides 24.5 VDC power for critical or standby equipment in the event of aircraft power failure.

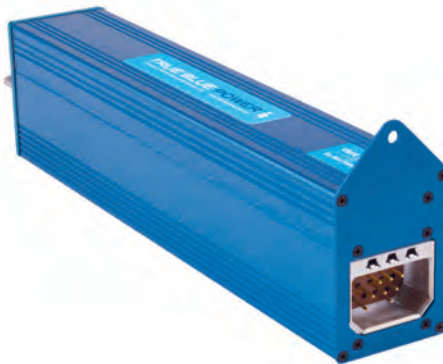
**New technology — exceptional value!**

Pricing and availability are subject to change without notice.

MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
TS420	MD420	18 VDC, 1.0 Ah, Battery module and annunciator	\$2,647
TS420-1	MD420-1	18 VDC, 2.5 Ah, Battery module and annunciator	\$3,007
TT43	6430043-1 *	Battery charger/tester for TS420 Series	\$905

\* Not FAA approved

TRUE BLUE  
POWER



TS835-1

MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
TS835-1	MD835-1	Power supply, 24.5 VDC, 4.5 Ah	\$4,812
TS835-5	MD835-5	Power supply, 24.5 VDC primary output, 5 VDC auxiliary output, 4.5 Ah	\$6,121
	5120-107-C01	Mounting rack	\$590
	9016600-2	Connector	\$226
	9017176	Cockpit self-test switch	\$786
	9017983	Vent tube kit (optional)	\$280

## Encoder

### Trans-Cal

This solid-state altitude encoder/digitizer is compact, lightweight and competitively priced. All RS232 units can be calibrated to match the curve of its corresponding altimeter.

The Nano is the world's smallest, lightest altitude encoder. It will operate on either 14 or 28 VDC at 0.270 amps and is a pin-to-pin replacement for most encoders.



**SSD120**

PART NO.	CONFIGURATION	LIST PRICE
D120-P2-T	Aneroid 20K	\$1,118
D120-P2-T	Aneroid 35K	\$1,439
103059	ACK adapter plate	\$45
103061	Ameri-King adapter plate	\$45
103035	Sandia adapter plate	\$45
103060	Shadin adapter plate	\$45
103036	Trans-Cal D120 adapter plate	\$45
103038	Narco AR850/Trans-Cal (older) SSD120 adapter plate	\$45

### NANO

PART NO.	CONFIGURATION	LIST PRICE
SSD120-30N	Solid-state 30K	\$366
SSD120-30N-RS232	Solid-state 30K with 2 RS232 outputs	\$493
SSD120-35N	Solid-state 35K	\$496
SSD120-35N-RS232	Solid-state 35K with 2 RS232 outputs	\$722
SSD120-42N	Solid-state 42K	\$1,303
SSD120-42N-RS232	Solid-state 42K with 2 RS232 outputs	\$1,282

*Mounting adapter plates are available for other manufacturer installations.*

### Beechcraft Bonanza

Featuring Mid-Continent Instruments and Avionics' SAM® MD302 Standby Attitude Module





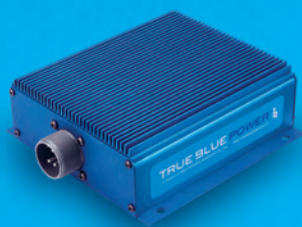
# MORE POWER TO YOU.

DC-to-AC  
Inverters



TI10 DC-to-AC Inverter

10 watts of power  
26-volt, 400 Hz AC power



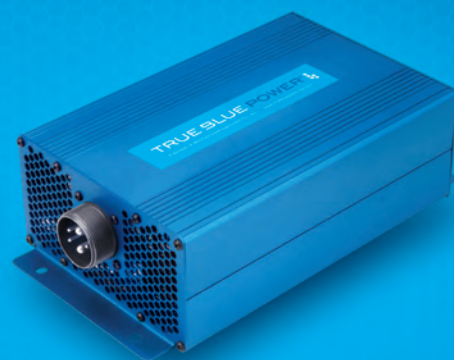
TI250 Series  
DC-to-AC Inverter

250 watts of "wall outlet" power  
115-volt, 60 Hz AC power



TI500 DC-to-AC Inverter

500 watts of "wall outlet" power  
115-volt, 60 Hz AC power



TI1200 Series  
DC-to-AC Inverter

1200 watts of "wall outlet" power  
115-volt, 60 Hz AC power

## Inverter

### True Blue Power®

The highly-efficient TI250 Series DC-to-AC Inverter produces 250 watts of power from the aircraft's 28 VDC input. Engineered to run cooler and featuring a fanless design, the TI250 Series saves energy and reduces weight. At only 2.2 pounds, these inverters are lighter and smaller than competing units and include overload, short-circuit and ground fault interrupter protection.

The TI500 DC-to-AC Inverter produces 500 watts of power from the aircraft's 28 VDC input. The unit is smaller and lighter than traditional inverters.

The TI1200 Series DC-to-AC Inverter produces 1200 watts of power from the aircraft's 28 VDC input. It is ideal for in-flight entertainment and galley equipment, such as microwaves and coffee makers.

The TI10 features a true sine wave output. It is a classic DC-to-AC solid-state inverter that provides a reliable source of 26 volt, 400 Hz, AC power. Versatile, compact and lightweight, the TI10 is ideal for use with Stormscope bootstrap and multifunction display installations.



TI500

MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
TI10	MD26-28	11-40 VDC to 26 VAC, 10VA, 400 Hz, Sine wave	\$566
TI250	6430250-1	28 VDC to 115 VAC, 250VA, 60 Hz, Sine wave	\$2,284
TI254	6430250-2	28 VDC, 115 VAC, 250VA, 400 Hz, Sine wave	\$2,284
TI256	6430250-3	28 VDC, 115/26 VAC 250VA, 400 Hz, Sine wave	\$3,137
TI500	MD50	28 VDC to 115 VAC, 500VA, 60 Hz, Sine wave	\$3,391
TI1200	6431200-1	28 VDC to 115 VAC, 1200VA, 60 Hz, Sine wave	\$5,311
TI1202	6431200-3	28 VDC to 230 VAC 1200VA, 50 Hz, Sine wave	\$5,311
	9017040	Mounting adapter for TI500	\$69

## Light Tray

### Mid-Continent Instruments and Avionics

These replacement top-mount light trays fit most lighted bezel assemblies. Specify 3-inch or 2-inch style and voltage when applicable.



6015358-1

PART NO.	CONFIGURATION	LIST PRICE
6015010-()	2-inch or 3-inch, 14V, Incandescent	\$99
6015358-()	2-inch or 3-inch, 28V, Incandescent	\$99
6018634-()	2-inch or 3-inch, 5V, Incandescent	\$99
7016637	3-inch, 28V, Incandescent, Cessna version with connector	\$130
9015640-1	3-inch, 5V, Incandescent (for 4300 only)	\$91
9015640-2	3-inch, 14V, Incandescent (for 4300 only)	\$91
9015640-3	3-inch, 28V, Incandescent (for 4300 only)	\$91
9016909	3-inch, 28V, LED (for 4300 only)	\$91
9016909-5	3-inch, 5V, LED (for 4300 only)	\$91
9016909-14	3-inch, 14V, LED (for 4300 only)	\$91
MD31	2-inch, 28V, LED	\$91
MD31-1	2-inch, 28V, LED, With connector	\$98
MD31-2	2-inch, 28V, LED	\$91
MD31-3	2-inch, 14V, LED, With connector	\$98
MD31-4	2-inch, 14V, LED	\$91
MD31-5	2-inch, 5V, LED, With connector	\$97
MD31-6	2-inch, 5V, LED	\$91

Pricing and availability are subject to change without notice.





**6111-D.17**

## Manifold Pressure Gauge

### United Instruments

Engineered for durability, this pressure gauge utilizes an internal bellows system to measure the absolute pressure of the aircraft engine intake in inches.



**6121-E.57**

PART NO.	CONFIGURATION	LIST PRICE
6111-D.16	10–50, Single scale (without markings)	\$1,102
6111-D.17	10–35, Single scale (without markings)	\$1,102
6112-D.15	10–75, Single scale (without markings)	\$1,102
6121-E.57	10–50, Dual scale (without markings)	\$1,743
6121-E.58	10–35, Dual scale (without markings)	\$1,743
6122-E.56	10–75, Dual scale (without markings)	\$1,743

PART NO.	CONFIGURATION	LIST PRICE
FSIM-03	2 1/4-inch instrument mounting ring, Full frame	\$34
FSIM-04	2 1/4-inch instrument mounting ring, Half frame	\$34

## Mounting Ring

### Fastener Specialty, Inc.

Lightweight mounting rings allow for quick and easy installation of 2 1/4-inch instruments. They feature self-wrenching, self-locking press nuts, which eliminate the risk of loose hardware behind the panel.

PART NO.	CONFIGURATION	LIST PRICE
7125-2	Remote rate gyro (Bell P/N 214-075-244-001)	\$10,819



**7125-2**

## Rate Gyro

### Mid-Continent Instruments and Avionics/General Design

Environmentally tested to ensure trouble-free operation and sound dependability, the 7125 Rate Gyro's innovative design is engineered for reliability and extended life. This precision instrument is FAA TSO C3b approved and replaces units on Bell Helicopter models 212, 214, 412 and 414.

Pricing and availability are subject to change without notice.

# Standby Attitude Modules

## SAM<sup>®</sup>

### Mid-Continent Instruments and Avionics

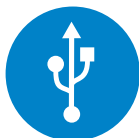
SAM<sup>®</sup> is a solid-state instrument that displays attitude, altitude, airspeed, slip, vertical trend, and heading information to the pilot in an advanced, 2-inch format.

SAM delivers an easy-to-fit, compact design with selectable orientation (horizontal and vertical) like no other, ensuring a perfect fit within any panel. The unique two-screen display features high-definition graphics and extra-wide viewing angles. And at 1.6 pounds, SAM weighs less than the three instruments it's designed to replace.

Pilots appreciate the intuitive interface, while installers love the flexible design.



SELECTABLE  
ORIENTATION



FIELD  
UPGRADEABLE  
SOFTWARE



LITHIUM-ION  
EMERGENCY  
BATTERY



MD302

MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
MD302	6420302-1	Digital, 10–32 VDC, Attitude, Altitude, Airspeed, Slip, Internal battery, Black bezel	\$9,973
MD302	6420302-2	Digital, 10–32 VDC, Attitude, Altitude, Airspeed, Slip, <b>No battery</b> , Black bezel	\$9,973
MD302	6420302-4	Digital, 10–32 VDC, Attitude, Altitude, Airspeed, Slip, Internal battery, Gray bezel	\$9,973
MD302	6420302-5	Digital, 10–32 VDC, Attitude, Altitude, Airspeed, Slip, <b>No battery</b> , Gray bezel	\$9,973
MD302	6420302-3	No display, 10–32 VDC, Remote mounted, ARINC output, <b>No battery</b>	\$9,973

FOR MORE INFORMATION, VISIT [FLYSAM.COM](http://FLYSAM.COM).



Installing the MD302 has updated my Cirrus panel and provided me tremendous peace of mind. With a self-powered backup that looks similar to my PFD, I know I can keep flying, even in IMC after a total loss of electrical power. That's huge!

Mike Radomsky  
Cirrus SR22 Aircraft Owner



# Turn Coordinators, Turn and Slip Indicators



**1394T100-10RB**



**1394T100-7Z**

## Turn Coordinator, 3-inch

### Mid-Continent Instruments and Avionics

Engineered for a long service life, the "B" model turn coordinator features a proven AC rotor powered by a solid-state inverter. This creates less heat behind the panel. By utilizing a brushless rotor design, this instrument has one of the top ratings in the industry — 4,800 hours MTBF. A direct replacement for most 3-pin turn coordinators, it is ideal for use in high-performance aircraft and cold-climate applications.

The well-known "Z" models are an industry standard. Value priced and reliable, they are in more aircraft than any other brand.

*All 3-inch turn coordinators operate from 10–32 volts DC for convenience and reliability.*

PART NO.	CONFIGURATION	LIST PRICE
1394T100-3B	11–32V, Lighted, Brushless	\$1,411
1394T100-7B	11–32V, Brushless	\$1,177
1394T100-7RB	11–32V, Autopilot, ARC, Brushless	\$1,996
1394T100-10RB	11–32V, Autopilot, KAP 140, High wing, Lighted, Brushless	\$2,131
1394T100-12RB	11–32V, Autopilot, KAP 140, Lighted, Brushless	\$2,131
1394T100-14RB	11–32V, Autopilot, S-TEC, Lighted, Brushless	\$2,131
1394T100-3Z	12–32V, Lighted	\$1,194
1394T100-7Z	12–32V	\$972
MS3106F10SL-3S	Connector 3-pin	\$73
MS3106A14S-5S	Autopilot, Connector 5-pin	\$71

*Specify lighting voltage and type (LED or incandescent) when ordering.*

PART NO.	CONFIGURATION	LIST PRICE
5550-8340N5L	28V, Lighted	\$2,570

PART NO.	CONFIGURATION	LIST PRICE
1234T100-3ATZ	Cessna C661004-0101, Lighted	\$1,854
1234T100-3TZ	12–32V, Lighted	\$1,598
1234T100-7ATZ	Cessna C661031-0101	\$1,451
1234T100-7TZ	12–32V	\$1,303

*Specify lighting voltage and type (LED or incandescent) when ordering.*

## Turn and Slip, 2-inch

### Mid-Continent Instruments and Avionics/General Design

Widely used in the turboprop market as standard equipment, this dependable instrument fits into the tightest panel space. The AC brushless rotor offers great reliability.

These were factory installed on the DeHavilland Dash 8 and Boeing Chinook CH47.

## Turn and Slip, 3-inch

### Mid-Continent Instruments and Avionics

Proven reliability through HALT testing and OEM usage since 1999, it's hard to beat this indicator. With more than 1 million units produced, this is the choice of more than 15 aircraft companies.

Pricing and availability are subject to change without notice.

# USB Charging Ports, Vertical Speed Indicators

## USB Charging Port

### True Blue Power®

The TA102 USB Charging Port simultaneously provides 2.1 amps per charging port to any consumer product requiring a USB interface. This includes many cell phones, tablets and GPS devices.

**A reduced unit price is available when purchased in quantities of 10.**



MODEL NO.	PART NO.	CONFIGURATION	LIST PRICE
TA102	6430102-1	10-32 VDC, Dual	\$431
TA102	6430102-3	10-32 VDC, Dual, Lighted	\$472
TA102	6430102-2	10-32 VDC, Dual, Bottom connector	\$431
TA102	6430102-4	10-32 VDC, Dual, Lighted, Bottom connector	\$472
	9017945	1 1/8-inch, Instrument panel, Circular adaptor kit	\$50
	9017947	2 1/4-inch, Instrument panel, Circular adaptor kit	\$124
	9017946	Brushed aluminum faceplate, Front mount kit	\$172

## Vertical Speed, 2-inch

### UMA Instruments, Inc.

UMA Instruments' 2-inch vertical speed indicators are FAA TSO certified to C8e specifications. They are eligible for installation in helicopter and fixed-wing applications.

PART NO.	CONFIGURATION	LIST PRICE
T8-210-30	2-inch, 0-3K	\$751
T8-210-60	2-inch, 0-6K	\$1,197

## Vertical Speed, 3-inch

### United Instruments

Providing an accurate indication of rate of change in altitude, this versatile vertical speed indicator (VSI) offers several configurations and has been selected as standard equipment by aircraft manufacturers worldwide. IVSI units provide Instantaneous Vertical Speed Indication.



**7030C.27**

PART NO.	CONFIGURATION	LIST PRICE
7000C.31	0-2000 FPM	\$800
7000C.91	0-2000 FPM, Lighted	\$1,096
7030C.27	0-3000 FPM	\$800
7030C.99	0-3000 FPM, Lighted	\$1,096
7040C.28	0-4000 FPM	\$800
7040C.109	0-4000 FPM, Lighted	\$1,096
7060C.46	0-6000 FPM	\$1,436
7060C.114	0-6000 FPM, Lighted	\$1,734
7120C.40	0-2000 FPM, IVSI	\$2,998
7130C.41	0-3000 FPM, IVSI	\$2,998
7130C.47	0-3000 FPM, IVSI, Lighted	\$3,304
7140C.42	0-4000 FPM, IVSI	\$2,998
7140C.125	0-4000 FPM, IVSI, Lighted	\$3,304
7160C.43	0-6000 FPM, IVSI	\$3,236
7160C.130	0-6000 FPM, IVSI, Lighted	\$3,533

*Specify lighting voltage and type (LED or incandescent) when ordering.*

Pricing and availability are subject to change without notice.

## Small. Economical. Easy to Install.

### TA102 Dual USB Charging Port



The self-contained TA102 Dual USB Charging Port simultaneously provides 2.1 amps of power per charging port to any consumer product requiring a USB interface. This next-generation in-seat, cabin or cockpit power source protects itself and the charging device from short-circuit, power surges and over-current potential.

It's all the power you need in a small, economical, easy-to-install package.

INPUT VOLTAGE	10 – 32 VDC
INPUT CURRENT	1.7 amps at 14 VDC / 0.85 amps at 28 VDC
OUTPUT VOLTAGE	5 VDC $\pm$ 0.25 per port
OUTPUT CURRENT	2.1 amps per port
DIMENSIONS	1.5" W x 1.5" H x 0.96" D
DESIGN STANDARD	USB Battery Charging 1.2 Compliance Plan
CHARGING PORT	USB Standard-A
EFFICIENCY	Charge one or two products simultaneously at full power
PROTECTION	Short circuit, over-current and over-temperature
APPLICATIONS	Panel or cabin mount
CERTIFICATION	FAA TSO C71 certified EASA ETSO C71 certified RTCA DO-160G qualified



[mcico.com](http://mcico.com)

[truebluepowerusa.com](http://truebluepowerusa.com)

[flySAM.com](http://flySAM.com)

[lifesavergyro.com](http://lifesavergyro.com)

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