



Digital Airspeed Indicator
MD23-225

Digital Airspeed Indicator

Manufactured by Mid-Continent Instruments and Avionics

2-INCH AIRSPEED INDICATOR WITH NUMERIC READOUT AND CONFIGURABLE FEATURES

Configurable range markings eliminate the extra time and cost of mechanical range markings.

The certified MD23-225 is a 2-inch digital airspeed indicator, ideal for a wide range of aircraft. It features smooth, high-resolution graphics with numeric readout, configurable range markings and Mach/MMO indication. Ground Speed and True Air Speed can be displayed with external ARINC input, and Night Vision Imaging System (NVIS) compatible versions are available.

- Configurable range up to 500 knots (or MPH), range markings and dynamic MMO barber pole indicator
- User-selectable Mach number display ON/OFF
- Ground Speed and True Air Speed indication via ARINC 429
- Fits standard 2-inch panel cutout
- Rechargeable, field-replaceable emergency battery (available)
- Lightweight – 0.4 lbs
- Simple user interface – Single, push-and-turn control knob
- Daylight readable LCD and smooth, high-resolution graphics
- Manual external lighting control or built-in photocell for automatic dimming
- Night Vision Imaging System (NVIS) compatible (available)
- TSO certified (Design Assurance Level A)
- Designed and built in Wichita, Kansas, USA
- Two-year limited warranty

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SPECIFICATIONS

Power Input	10–32 VDC 0.14A @ 28 VDC; 4 watts nominal	
Data Input	ARINC 429	Low or high speed; Labels 210, 312
	Pressure	Absolute/static and differential/pitot (Quick Disconnect)
Data Output	ARINC 429	Low or high speed; Labels 205, 206
Operating Range	Configurable range of 160, 200, 300, 400 or 500 knots	
Units of Measure	Knots or miles per hour (MPH)	
Lighting	5, 14, or 28 VDC external control or internal photocell for automatic dimming	
Battery	Rechargeable, field-replaceable emergency battery power supply (available) P/N 6430006-(1)	
	Technology	Nickel Metal Hydride (NiMH)
	Attributes	0.25A @ 24 VDC nominal (6 Wh capacity)
	Run time	60 minutes @ 0.25A
Weight	0.4 lbs (0.17 kg)	
Mounting	Rear panel mounted, (4) #6–32 screws, 2.25-inch round bezel	
Dimensions	2.43 x 2.43 x 1.0 inches (61.7 x 61.7 x 25.4 millimeters)	
Mating Connector	P/N 9019162-1	26-pin, D-Sub electrical connector (Quick Disconnect)
	P/N 9019162-2	Pneumatic fittings (Quick Disconnect)
Certification	FAA TSO certified to C2d, C106, C113b RTCA DO-160G qualified RTCA DO-178C qualified, Design Assurance Level (DAL) A	
Rights	U.S. Patent 11,048,389	

