



*Technical
Diagnostic
Services*

Product Spotlight: Meriam M203 Altimeter *Altimeter / Indicated Air Speed Tester*

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Products, Systems, Solutions



Supplemental
Information:

[Product Webpage](#)

[Specification Sheet](#)

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The Meriam M203 Altimeter / Indicated Air Speed Tester accurately measures pressure from 0 - 900 mm Hg (17.40 PSI) relative to absolute zero. But that's not all!

Key Features:

- Pressure Mode: In Pressure Mode, the M203 displays pressure in a variety of English and S.I. engineering units.
- Altitude Mode: Selecting the "ALT / IAS" unit from Program Mode converts the M203 to Altitude Mode for use in checking altimeter instrumentation.
- Indicated Air Speed Mode: Pressing the ALT / IAS button toggles the M203 to Indicated Air Speed Mode for checking air speed instrumentation. Pressing the ALT / IAS button again returns to the Altitude display.
- English or S.I. units for Altitude and Indicated Air Speed are user selectable.

A timed leak test function is standard for Pressure, Altitude and Indicated Air Speed modes. The user sets the test period and starts the tests. The M203 displays Minimum, Maximum and instant values during the test period and then

the leak rate per minute upon completion. Other features include Minimum / Maximum value capture, selectable damp rate, back light, programmable auto-off timer and record function. Four "AA" alkaline batteries provide more than 100 hours of continuous use.

Pressure & Altitude: ± 0.02 % F.S. (F.S. = 900 mm Hg Abs)
Indicated Air Speed: ± 0.028 % F.S. (F.S. = 900 mm Hg Abs)

The accuracy statements above include the combined affects of linearity, repeatability, hysteresis and temperature over the operating range of -4° to $+122^{\circ}$ F (-20° to $+50^{\circ}$ C). A certificate of traceability to NIST is included with each M203 product.

EPI / THE EMBEDDED PRESSURE INSTRUMENT:

The EPI™ is a fully compensated instrument capable of measuring applied pressures and providing an accurate and fully characterized digital output. The Meriam M203 Altimeter / Indicated Air Speed Tester, as well as other pressure products from Meriam, are powered by the EPI™. This ensures you are getting a highly-accurate device capable of $\pm 0.025\%$ FS or better including all effects of linearity, hysteresis, repeatability and temperature over specified operating temperature range. NIST traceable certification is standard. The EPI™ provides true 14 samples per second data rate of accurate pressure readings.

Contact Technical Diagnostic Services today to obtain your Meriam M203 Altimeter / Indicated Air Speed Tester or any other test equipment needs.

Call us today at 817/465-9494 or 800/225-7271

Email: equipment@technicaldiagnostic.com

www.technicaldiagnostic.com

www.test-equipment-rental.com