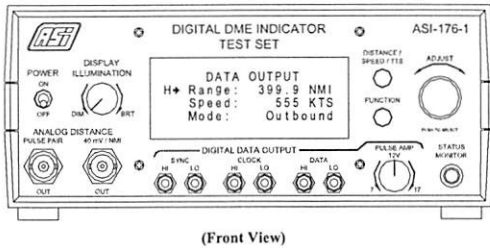


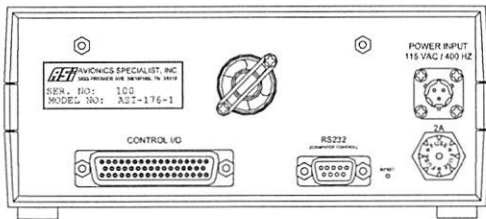
DIGITAL DME INDICATOR TEST SET

ASI-176-1 Specifications

Subject to change without notice



(Front View)



(Rear View)

8.1" Wide x 3.3" High x 6.4" Deep

Description:

Newest to the market, the ASI-176-1 is an updated, modern layout from our ASI-176 series of products. The ASI-176-1 simulates the signals required for functional testing a wide variety of digital DME indicators, R/Ts, and auxiliary equipment. Signal outputs and inputs include ARINC 568, Pulse Pair, Range Rate, 40mV / NMI, ARINC 429, and CSDB.

It is easy to operate with comprehensive control over simulated distance, speed, and test data. Plus, its bright Vacuum-Fluorescent screen can be read in most any lighting condition.

The ASI-176-1 is small and portable weighing 5 pounds and measuring only 8.1" wide, 3.3" high, and 6.4" deep.

Technical Data

Signal Types:	ARINC 568 (6-Wire) Input and Output Pulse-Pair, 1 Input and 1 Output Range Rate, 1 Input and 1 Output 40mV / NMI, 1 Input and 1 Output ARINC 429, 1 Input and 1 Output CSDB, 1 Input and 1 Output
Display Range:	0 to 399.9 NMI for DME and Pulse Pair 0 to 3,999 Nautical Miles for INS
Ground Speed:	0 to 9,999 Knots Inbound/Outbound
ARINC 568 Features:	Input and output bit level label control, Output bits 31 and 32 control, Adjustable digital word rate from 1 to 30 per second, Distance skewed by ground speed control, Received bits view, Output level control from 7V to 17V, 7.5Khz, 11 Khz, and 14.5 Khz output clock rates.
Pulse Pair Features:	Adjustable output rate from 1 to 30 per second, Range from 0 to 399.9 NMI, input resolution to ± 0.1 NMI.
Range Rate Features:	Range from 0 to 9,999 Knots, output at 0.027778 Hz per knot.
40 mV / NMI Features:	Input and Output range from 0 to 339.9 NMI, 12V output reference, Internal/External input reference, accuracy to ± 1 NMI.

*ARINC 429 Features:	Clock bit rates 12.0/12.5/14.5/100 Khz, Word rates from 1ms to 9999ms, Hex and binary display, output levels 10 VDC A to B, full 32 bit output control. *Use of ARINC 429 requires a software upgrade.
**CSDB Features:	12.5 Khz Low Speed, Hex and binary display, RS422 input/output levels, Message Rates at 50ms, 100ms, 200ms, 333ms, or 500ms. **Use of CSDB requires a software upgrade.
Other Features:	Flag output, Decimal Point Inhibit Output, DME Hold Output, Test Output, DME Status Input, Display dim control 25K potentiometer, and custom software available.
Power Input:	115 VAC / 400 Hz, 2 Amps
Power Output:	115 VAC / 400 Hz, 1 Amp 26 VAC / 400 Hz ± 1 VAC, 1 Amp 28 VDC ± 0.5 VDC, 0.5 Amps 5 VDC ± 0.2 VDC, 0.5 Amps
Additional Information:	A 50-Pin Sub D style connector is mounted on the rear for all inputs/outputs. Adapters are available for converting the 50-pin connector to other style connectors simplifying connection to existing cables. Call for custom adapter requirements

REV.2
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