



Features/Benefits

IDM -302

IDM-302I

Protocols	AFAPD, TACFIRE, IDL, MTS	AFAPD, TACFIRE, IDL, MIL-STD-188-220
Channel	4 Independent Channel, Analog (FSK) or Digital (MIL-188-114, ASK, NRZ, Synchronous or Asynchronous)	4 Independent Channel, Analog (FSK) or Digital (MIL-188-114, ASK, NRZ, Synchronous or Asynchronous)
Radio Interfaces	ARC-164, ARC-182, ARC-186, ARC-201, ARC-210, ARC-222, SINGARS, KY-58	Software configurable- polarity, gains and control signals are user selectable
Video Interface	Optional PRISM Module	Optional PRISM Module
Host Computer Interface	MIL-STD-1553	MIL-STD-1553, Serial (RS-422 or RS-232)
Weight	13 Lbs	11 Lbs
Dimensional Size	5.375" x 7.42" x 9.06"	5.375" x 7.42" x 9.06"
Power Requirements	40 Watts	15 Watts
Cooling Requirements	No special cooling requirement	No special cooling requirement
Reliability	6200 hours (Demonstrated)	20,000 hours (Calculated)
Service Life	20 years	20 years
Temperature	-54°C to 70°C	-40°C to 70°C
Vibration	MIL-STD-810	MIL-STD-810
EMI	MIL-STD-461	MIL-STD-461
Hardware Expandability	3 Spare slots	5 Spare slots
Software Expandability	Code fixed by Government, not upgradeable	Expandable and upgradeable



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THE IMPROVED DATA MODEM



IDM -302I

Your low-cost International




SYMETRICS INDUSTRIES
www.symetrics.com

Connection To The World

The International Digital Communications Translator

The IDM (Improved Data Modem) is flight-proven, off-the-shelf system that provides an open architecture, multi-path approach to situational awareness in the cockpit. The world's military organizations gain additional utility and service life from their existing installed radio equipment by installing the IDM. Interconnecting with up to four separate radios (HF, UHF, VHF or SATCOM), the IDM facilitates the creation of a digital transmission network for the sharing of sensor and tactical data among all Coalition Forces without regard to nationality, language or platform.

The MD-1295/A is currently in operational service and has completed integration demonstrations on such international and domestic platforms as the F-16, the Longbow AH-64D and WAH-64D, the OH-58D, EA-6B, J-STARS, UH-60, E-2C, the UK Jaguar, and several UAV platforms.



In hostile regions of the world, where communication between International Forces is crucial, let IDM be your low cost solution to break language and platform barriers.



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P/N: 81995-DM001-302
NSN: 5998-01-426-5318



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Our Highspeed digital data link is designed to perform in the harshest environmental conditions in support of the following missions:

- Air to Air Combat
- Command and Control (C2)
- Forward Air Control (FAC)
- Close Air Support (CAS)
- Support of Enemy Air Defense (SEAD)
- Suppression Fire Support

To facilitate interoperability between services and Coalition Forces, Symetrics' family of IDM products supports the following protocols:

- TACFIRE
- AFAPD
- MIL-STD-188-220
- PTAC



All Symetrics' IDM products are available with Photo Reconnaissance Intel Strike Module (PRISM) Technology installed to support Imagery Transmission over the same Combat Net Radios used for digital data.

An ISO-9001:2000 Registered Company

Information Dominance on the Digital Battlefield