



Integrated Telemetry Instrumentation Kit- Model iTIK-3

Supplying High Performance Flight Instrumentation, RF/Microwave Assemblies, Power Amplifiers, IFF and Data Acquisition Systems for severe environments.



Key features

- PCM Encoder - fully programmable, up to 40 Mbps
- 5 Watt Telemetry Transmitter, PCM-FM/SOQPSK-TG/Multi-h (ARTM) CPM
- Integrated FTS power distribution
- Light weight (16 oz), small size (24.4 cu. in.)
- Master/Remote operation with PCM880 remote encoder for added channel capacity
- Designed for extreme environments
- Optional embedded KGV-135A encryption
- Optional dual redundant flight termination receivers, either tone based or EFTS (Enhanced Flight Termination System) compatible
- Optional GPS Receiver

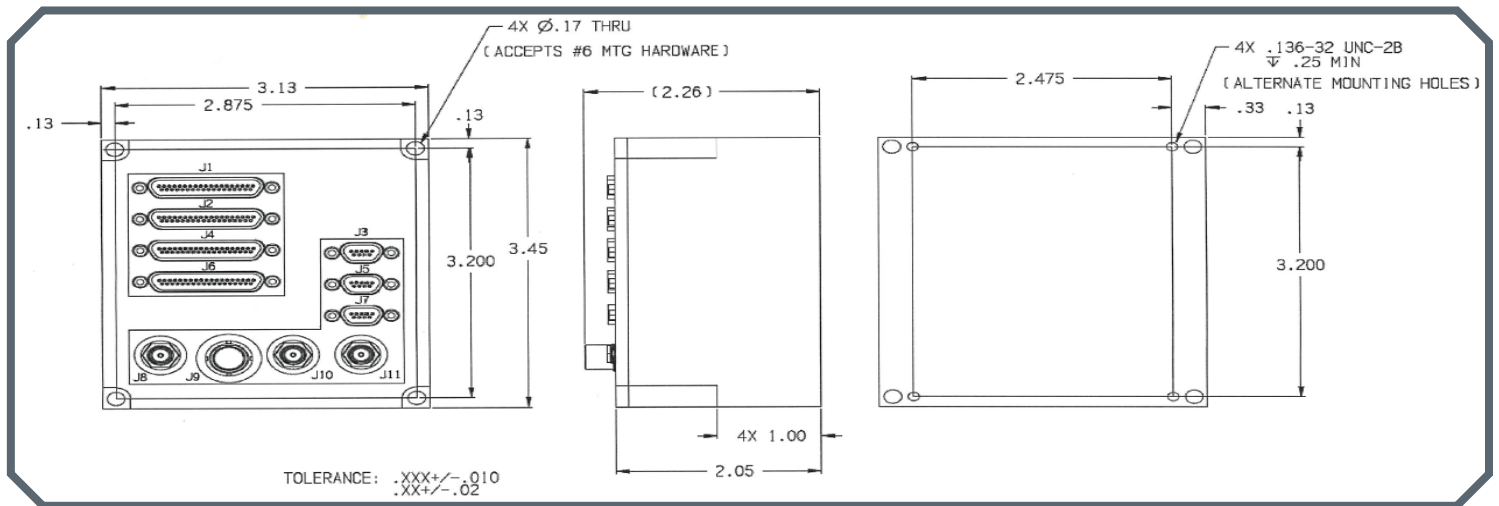
Overview

Ultra's iTIK-3 integrated Telemetry Instrumentation Kit is a small, light-weight, low-cost telemetry system. The iTIK-3 is a fully integrated system that includes a Data Acquisition System, Optional Encryption, and Telemetry Transmitter.

The iTIK-3 is a flexible telemetry instrumentation kit designed for applications where minimum size, weight, and power (SWaP) are critical. It provides an 80% reduction in weight and a 50% reduction in volume versus individual telemetry components.



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BENEFITS

- Dramatic reduction in SWaP vs. individual telemetry/FTS components
- Provides a common system with maximum flexibility and scalability across platforms
- Guaranteed interoperability of system components simplifies system integration
- Eliminates the need for cabling between system components

INTERFACE TABLE

DES	FUNCTION	CONNECTOR TYPE	DES	FUNCTION	CONNECTOR TYPE
J1	PWR INPUT	MDM-37S / M83513/04-F05N	J7	FTR 2 PWR	MDM-9S / M83513/04-A05N
J2	PWR OUTPUT	MDM-37S / M83513/04-F05N	J8	PLAIN TXT	SMA JACK
J3	KEY LOAD	MDM-9P / M83513/03-A05N	J9	CYPHER TXT TEST	SERIES 801 MIGHTY MOUSE
J4	I/O	MDM-37S / M83513/04-F05N	J10	TM-OUT-1	SMA JACK
J5	FTR 1 PWR	MDM-9S / M83513/04-A05N	J11	TM-OUT-2	SMA JACK
J6	ANALOG/DIS I/O	MDM-37S / M83513/04-F05N	--	-----	-----

PART NUMBER

- 990-XXXX



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Ultra reserves the right to vary these specifications without notice.
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