Flexibility and compact size make the 3253N Voice and Data Recorder (VADR®) a versatile solution for any aircraft.

The Voice and Data Recorder (VADR®) brings recorder functionality previously inaccessible to platforms limited by weight, bulk and cost of traditional recording systems. Supporting multiple high-speed databuses and analog interfaces, the compact, lightweight, and affordable VADR® employs acquisition, recording, and memory protection technologies. The flexible VADR® is applicable to virtually any aircraft, and may be used as a data-only, voice-only, or combined voice and data recorder to support:

- Regulatory compliance
- Aircraft maintenance
- Flight operations quality assurance
- Aircraft and component usage monitoring, limit exceedance monitoring

Key Owner/User Benefits

- Light weight, compact size
- Applicable to virtually any aircraft
- Affordable solution
- 90-day Underwater Locator Beacon

Unique in the marketplace, the latest VADR® models that are supported by a PC-based recorder configuration toolset provide users with the capability to program the recorder. Ground servicing, replay, and data analysis capabilities are hosted on standard, commercial PC computers, and are all part of the available GE total system solution.

A full line of ARINC compatible control panels, area microphones, and mounting kits support the installation of flight recording systems, while ground support software and PC interface kits optimize the utility of recorded information.

Ground support equipment

GE's extensive toolsets minimize the cost of configuring and operating recorder systems:

- Recorder configuration is performed by the OEM using a PC based tool to select the desired parameters, storage, exceedence checks, etc.

- Robust replay, analysis, and animation software is available

Specifications - 3253N VADR®

Physical Characteristics (without beacon)		Serial Interfaces - Signal	I/O	Number	Notes
Length	8.04 in. (205 mm)	Ethernet 10/100 Mbit	In/Out	2	
Width	4.4 in. (112 mm)	MIL-STD-1553	In/Out	2	
Height	3.8 in. (99 mm)	ARINC 429	In	4	Multiplexed with ADL channels – Software Configurable
Weight	6.0 lbs. (2.73 kg)	ARINC 429	Out	1	Multiplexed with ARINC 429 In channel – Software Configurable
		RS-422	In/Out	2	
Power	28 VDC, 12 W MIL-STD-704A				
Crash Survivability	ED-112A	Audio Interfaces - Signal			
		Audio - Narrow Band	In	3	
		Audio - Wide Band	In	1	
		Audio Monitor	Out	1	

Analog Interfaces - Signal	I/O	Number
AC/DC/Low-Level (ADL) Differential/Ratio	In	4
Phase Reference	In	1/2
Rotor Tachometer	In	1

Digital Interfaces - Signal	I/O	Number
Discrete Open/Gnd	In	6
Discrete Out (Open/Gnd)	Out	2

Power Interfaces - Signal	I/O	Number
Main Power +28 VDC	In	1
Sensor Power +10 VDC	Out	1

Miscellaneous Interfaces - Signal	I/O	Number	Notes
Lab Reset	In	1	Used for LRU configuration

Side Mount available for Beacon placement

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