

DYNAMIC INSTRUMENTS

Multichannel
Digital Recorder

DI-930E/A

FEATURES

Compact & Rugged
Design

8 and 16 Channel
Models

EMI/RFI
Engineered

Removable Hard
Disk Drive

Simultaneous
Multi-Channel
Record & Playback

Instant Recall

User Defined
Search

Automatic Gain
Control

The Dynamic Instruments DI-930E/A is one of the most compact, rugged, and versatile multi-channel digital audio recorders in the world. It is designed and built to withstand and perform in the demanding environment presented by airborne, ground mobile, shipboard, and subsurface installations.



The DI-930E/A is a multi-channel (8 or 16) digital audio recorder that uses state-of-the-art, solid state signal processing technology to replace analog audio recorders. Digital recording eliminates tape noise, dropout, cross-talk, distortion, and wow and flutter inherent in analog recorders. The DI-930E/A uses compact and inexpensive 4mm digital audio tape (DAT) cartridges that can store up to 960 channel hours each.

Product Description

This full-feature, multi-channel, digital audio recorder comes in a compact (8.5"W x 5.25"H), and rugged (EMI/RFI, vibration, and environmentally resistant) package. It digitally records, recalls, replays, stores, and erases audio data through a powerful front panel graphical user interface (GUI). The large, backlit, VGA color display and solid state trackball complement the GUI and afford the user the utmost in intuitive functionality. The recorder is equipped with a removable hard disk drive and DAT cassette, a feature that is especially useful when recording "sensitive" audio information. The hard disk drive stores the operating system of the recorder and the last packet (5 minutes)

of audio information transferred to the DAT. With the hard disk drive removed the recorder will not function in any way.

The instant recall function plays back, through headphones or rear panel connector, the most recent recording instantly or from a previously recorded DAT without interrupting the recording process. The user defined search capabilities allow the user to efficiently retrieve any recording by date/time, channel, or user generated tags. Options such as external time synchronization (IRIG-B), and remote control (TCP/IP) provide tremendous versatility and flexibility.



DI-930E/A Specifications & Options

Size

25.29"L x 8.50"W x 5.25"H
64.2 cm x 21.6 cm x 13.3 cm

Weight

24 lbs. (11 Kg)

Operating Temperature

32°F to 122°F
0°C to 40°C

Power

90 to 130 VAC auto selectable
180 to 250 VAC auto selectable
47 to 400 Hz, 150 W max
28 VDC optional

Alarms

Three relay outputs:

- % Tape Remaining
- Deck/Media Fault
- Losing Recordings

Audio Output

600 ohm impedance
Volume, max 1.5 mW into 600 ohms
Front panel - 1/4" phone jack
Rear panel - 55 pin circular

Storage Media Capacity

Digital Audio Tape, DDS2 format
960 channel hours @ 8:1 compression
360 channel hours @ 3:1 compression

Hard Disk Drive

2.1 GB providing 80 channel hours
of instant recall, @ 24 Kbps
compression.

Rewind Time

Less than 2.5 minutes (DDS2)

Time Code (option)

Internal time code generator will
synchronize to external IRIG-B signal

Network (option)

Remote control operation using
TCP/IP protocol over an Ethernet
network.

Tags

Up to 200 alpha-numeric characters
via remote control

Specifications subject to change



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