Flight Data Systems

PORTABLE FLIGHT DATA DOWNLOAD TOOL

HANDHELD MULTIPURPOSE INTERFACE (HHMPI)

CAPABILITIES

- Interfaces with popular CVRs and FDRs including legacy recorders
- Automatic download to ground stations with docking station
- Network multiple HHMPIs together to ensure fleet-wide consistency
- Create aircraft lists within the HHMPI for use across fleet
- Powered by the CVR, FDR, or with internal Lithium Ion battery
- Ethernet port for data transfer and secure FTP file transfer
- Dynamic touchscreen display

HHMPI AT A GLANCE

The Handheld Multipurpose Interface (HHMPI) is a portable shock-resistant tool designed to download data from Flight Data Recorders (FDR) and audio from Cockpit Voice Recorders (CVR). The HHMPI connects to the recorder via a recorder-specific interface cable identifying the attached recoder type.

The downloaded data is stored internally or on a removable memory device. Data can be transferred when the HHMPI is on the charging and communication docking station. A single download device offers significant cost savings to fleet operators with various CVRs and FDRs and provides data retrieval and storage consistency, reducing maintenance time.

The HHMPI can support four different FDR download options: Download All, Download Since Last, Download Memory Mark, and Download Time. In addition, it has two CVR download options: CVR Download All and CVR Download Time.

Technicians can transfer flight data files from the flight recorder to the internal memory or onto a downloadable storage device including a USB or SD card. The HHMPI can download from the Sentry™ flight recorders from Flight Data Systems and common FDSs and CVRs from L3Harris (L3), Honeywell, Universal, and GE.

Supplementary software and cables will be required to support specific recorder brands of interest in addition to the handheld device. Please contact sales for more information on the full HHMPI shipset necessary for your operation or program.

HHMPI
SPECIFICATIONS
Portable flight data download tool for cockpit voice and flight data recorders.

HHMPI Kit Equipment List

PART #	DESCRIPTION
30-0082	Quick reference guide, HHMPI
FDS40-0107	Cable USB, HHMPI to PC
FDS40-0301	HHMPI
FDS40-0373	Docking cradle
FDS40-0302	USB flash drive (2GB)
FDS40-0335	Docking cradle power cable
FDS40-0321	Carry case, yellow
FDS40-0322	Power adapter kit, global, charger for internal battery

Type	Description
PHYSICAL	
HHMPI Dimensions	145mm L x 95mm W x 46mm H
HHMPI Kit Dimensions	365mm L x 270 mm W x 135mm H
HHMPI Weight	0.495 kg
HHMPI Kit Weight	3.2 kg
Shipping Weight	4.2 kg
POWER	
Connection	USB or FDR/CVR Interface Cable
Battery	Internal Lithium Ion
ENVIRONMENTAL	
Protection	IP-40
Operating Temperature	-20˚C to 60˚C
CERTIFICATIONS	
FCC	Part 15 Subaprt B, July 2008
CE ANSI C63.4-2003 EN55022	2006 (CISPR22: 2005, modified)
AS/NZS CISPR22	2006 (CISPR22: 2006)
EN55024	1998, Amendment 1: 2001
CISPR24	1997 modified Amendment 1: 2001 Amendment 2: 2002
DATA	
View	ARINC 717
Format	Binary, Octal, Decimal, Hexadecimal
MEMORY SUPPORT	Internal, SD Card, USB Flash Drive,
COMMUNICATIONS	
Type	USB v2.0 to PC, Ethernet RJ-45 to Network

OEM Recorders Supported

Flight Data Systems
Honeywell
L3Harris
L3 Communications
Smith/GE
Universal Avionics
Penny & Giles
LockHeed
BASE
~50 Models are supported from manufacturers above, contact AvionTEq for further information.

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