

ANALOG MODULES

**Versatile Interface Modules
for MDR, GMDR and MDR-GT**



Heim



FLIGHT TEST INSTRUMENTATION

The **highly flexible modular MDR, GMDR and MDR-GT systems are versatile, field-proven and future-proof solutions for acquisition, recording, dissemination and replay** of airborne and ground station FTI data. Thanks to their wide range of modules, the systems will adapt **from the lightest to the most extensive daily test requirements.**

Analog modules perfectly fit into this philosophy. Each channel of analog modules consists of a **complete signal chain with gain stage, anti-aliasing filter, digital FIR filter and A/D converter** and **provides an own IRIG 106 Chapter 10 data stream.** The bandwidth of each channel is 0.4 times the program's sampling rate on this channel.

All channels are sampling synchronously.
A manual or auto-calibration per channel can be activated.



Flight Test Applications



Ground Station / Control Room

EASY SETUP & RE-CONFIGURATION

Easy module change by user

COMPLETE SIGNAL CHAIN PER CHANNEL

Gain stage, anti-aliasing filter, digital FIR filter, A/D converter

ADJUSTABLE SAMPLING RATE

Freely programmable

IRIG106 COMPATIBLE

Own Chapter 10 data stream per channel

FLIGHT TEST INSTRUMENTATION ANALOG MODULES

> MODULES

MANA4

4 channel voltage and IEPE input

MANA6

6 channel voltage and IEPE input
(2 channels RPM capable)
2 channel excitation output

MANA8 / MANA8 50V / MANA8A

8 channel voltage and IEPE input,
DC-40kHz, AC, DC, IEPE, 10V
8 channel voltage and IEPE input,
DC-40kHz, AC, DC, IEPE, 50V

MANA8P

8 data channel analog output

MANA12

12 channel voltage and IEPE input,
DC-20kHz, AC, DC, IEPE

MANA16 IEPE / MANA16 AC / MANA16 DC

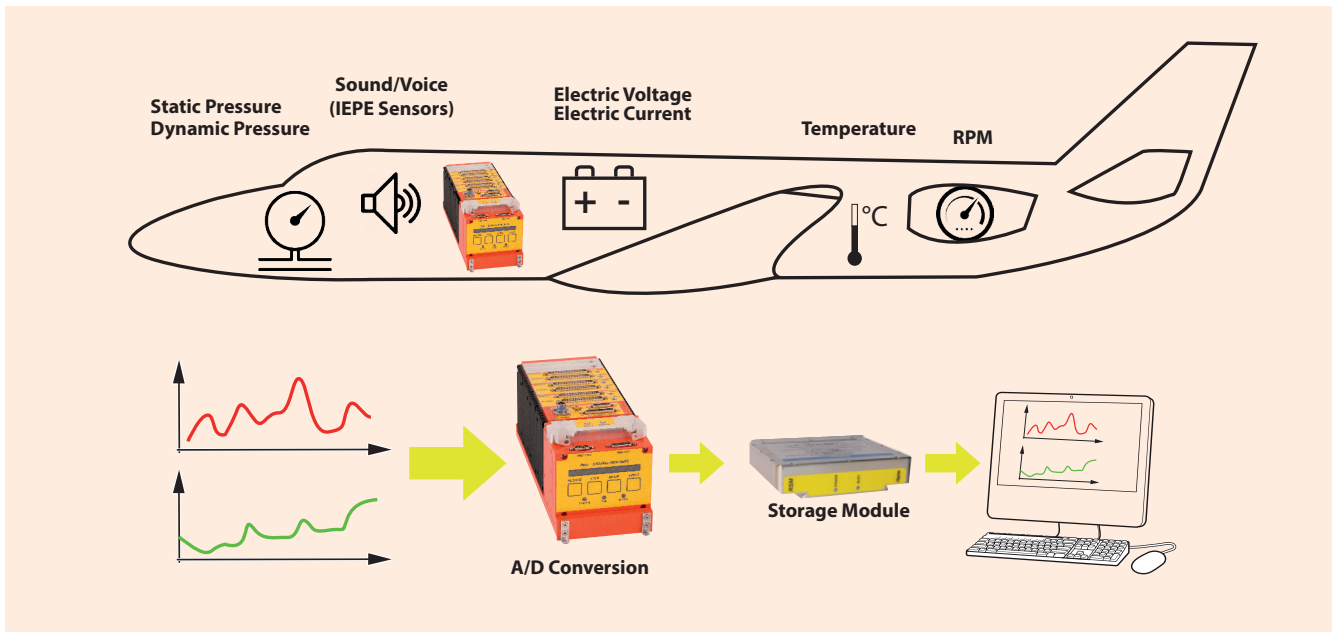
16 channel voltage and IEPE input,
2Hz...40kHz, IEPE
16 channel voltage input, DC-40kHz,
AC 2Hz...40kHz
16 channel voltage input, DC-40kHz, DC

MANAH

2 high speed analog input/DC...10MHz
2 high speed analog output

MFHB6V

6 channel strain gauge analog input with
programmable voltage excitation
Full and half bridge strain gauge configurable.



GLOBAL SALES

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