



ARM

Analysis Recording Module

Model No. (ICS-ARM-01)

ARM is an one-stop solution for Narrow Band Communication Signal Analysis and Recording of Intelligence carried by the communication signals at 21.4 MHz IF. ARM provides fine grain information on the intercepted signal based on Signal Classification, Digital Demodulation and Extraction of messages.

System Specifications

- No. of Channels: Two (Dual)
- Input: 21.4MHz IF (Analog), AF (Digital) signals
- Power Consumption: 160W Max
- Operating temperature: -20° to +55° C
- Environmental: MIL-STD-2164 (EC) and DOD-HDBK-344 (USAF)
- EMI/EMC: CE102, CS101, CS114, CS115, CS116, RE102 & RS103
- Mechanical: One 6U VME 64x B size Module

Unique Features

- Stand alone unit (as a VME module)
- Diverse Operating Modes : BITE mode, Activity Detection mode, Classification & Analysis mode, Demodulation mode, Code Recognition, Decode mode, Recording/Replay mode.
- Type of Modulations: AM, FM, CW, LSB, USB, 2-FSK, 4-FSK, GMSK, BPSK, QPSK & OOK
- Type of Modulating Signals: Voice, Tone, 2-FSK, 4-FSK, BPSK, QPSK & OOK
- Code Recognition & Decoding: CCITT-2, CCITT-5, ASCII-7, ASCII-8 and BAUDOT codes with baud rates from 50 to 9600 bps.

Recording/Replay

- Dynamic Range 40dB
- SNR degradation while replay of recorded signal is less than 10dB
- Duration 6 Hours (Max)
- Recording/Replay with Time stamping, Annotation and Message ID
- Data storage and portability
- Read after write capability
- Real Time Operating System, VxWorks
- Data output and Remote Control through LAN



Introducing a Cutting Edge Technology in Narrow Band Communication Signal Analysis

NOTE : The specifications can be changed without notice due to technological advances.



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