BELAR PRODUCT ORDERING INFORMATION

Please Contact the factory with any questions. 610-687-5550 - sales@belar.com

FMHD-1

The FMHD-1 FM HD Radio Monitor is a state of the art wideband monitor designed specifically for the measurement and characterization of FM hybrid In-Band/On-Channel broadcast signals in the 88 MHz to 108 MHz band. It simultaneously decodes and meters the modulation of the analog FM carrier and the Main program audio carried by the IBOC digital sidebands (subcarrier sets). In its base configuration, the **FMHD-1** provides multiple high-quality audio output signals for the analog FM program and any one of the digital audio program channels available in an HD™ broadcast.

- Optional hardware permits simultaneous monitoring of up to four digital program channels.
    - **Option 01, Additional Decoder**
        - Order the Option 01, additional decoder, for simultaneous monitoring of more than one HD stream.
    - **Option 02, Decoder Expansion Board**
        - Order the Option 02, decoder expansion board, for simultaneous monitoring of more than two HD streams (up to 4)
    - **Option 03, ADC - Automatic Delay Correction Software Module**
        - Order the Option 03, ADC - Automatic Delay Correction Software Module to eliminate HD Radio diversity delay errors. The software consistently adjusts for time alignment, eliminating the delay between HD and analog FM programming to ensure a pleasant listening experience.
- **Example Ordering Configurations for the FMHD-1**
    - **For simultaneous monitoring of-**

(2) HD streams, order;	(3) HD streams, order;	(4) HD streams, order;
(1) FMHD-1	(1) FMHD-1	(1) FMHD-1
(1) Option 01	(2) Option 01's	(3) Option 01's
	(1) Option 02	(1) Option 02

FMHD-1L

The FMHD-1L FM HD Radio Monitor - Lite is for remote management, it is one rack unit and has no display or audio outputs. The **FMHD-1L** can be accessed and controlled remotely using the **Wizard for Windows** software.

- Optional hardware permits simultaneous monitoring of up to two digital program channels.
    - **Option 01, Additional Decoder**
        - Order the Option 01, additional decoder, for simultaneous monitoring of two HD streams.
    - **Option 03, ADC - Automatic Delay Correction Software Module**
        - Order the Option 03, ADC - Automatic Delay Correction Software Module to eliminate HD Radio diversity delay errors. The software consistently adjusts for time alignment, eliminating the delay between HD and analog FM programming to ensure a pleasant listening experience.

LP-1, Shielded Loop Antenna (Passive)

- Please Specify Receiving Band
    - Low (530-960 kHz)
    - Mid (970-1340 kHz)
    - High (1350-1710 kHz)
    - Wide (530-1710 kHz)

LP-1A, Shielded Loop Antenna (Active)

- Please Specify Carrier Frequency to be Monitored (or) Specify Untuned for Wideband Reception (530-1710 kHz)
- Must order the Optional 'Phantom' Power Supply or have an alternative way to power the **LP-1A** (i.e. **AMDA-1**, **RFA-2**, or existing power supply)

AMMA-2 Wizard

- **AMMA-2,** Comes complete with Demod. Standard input impedance is 50Ω, if 500Ω input impedance is needed, specify when ordering.
- **MP-17,** Analog Meter Panel, for full-time analog display of positive, negative modulation and carrier level.

FMMA-1 Wizard

- Order the **Option 01,** When source of wideband composite, such as that from a monitor, is not available.
- Order the **Option 02**, For use at transmitter.
- The **DC-4,** may be substituted for **Option 02** when frequency agility is required.
- Order the **RFA-4**, For use at studio or other off-air application.

Note that the FMSA-1 is required for stereo decoding and measurements in either case.

FMM-2

- **Requires you to Specify Carrier Frequency**

If the following equipment is ordered separately, what will it be used with?

FMSA-1
FMS-2
RFA-4
PWM-1 (Serial # of **FMM-2**)

FOR INTERNATIONAL ORDERS: In addition to the above information, we need de-emphasis (where applicable) and line voltage.
END USER INFORMATION (CALL LETTERS, COMPANY, Etc.& LOCATION) IS REQUIRED WITH ALL ORDERS