



FEATURES

- Direct Sampling of FM RF Carrier
- Frequency Agile RF Input
- AM & Sync AM Noise Measurements
- Variable BW Digital IF Filtering
- Digital FM Demodulation with 100 dB 75 μ s SNR
- Variable BW Composite Filtering
- Digital Stereo Demodulation with 100 dB L / R Separations
- Full Metering of Analog Peak and RMS Values
- RDS Injection/Phase and Full Data Decoding
- RJ - 45 Ethernet Interface with Remote PC Software

SPECIFICATIONS

RF Inputs

Frequency Range..... 88 to 108 MHz, Frequency Agile
50 kHz Increments
High Level Input..... 0.5 to 5 Vrms , 50 Ω , BNC Connector
Antenna Input..... 100 μ V sensitivity, 75 Ω , F-Type Connector

FM Demod

Frequency Response..... \pm 0.01 dB, 10 Hz to 100 kHz
SNR..... 100 dB, 75 μ s de-emphasis
Distortion..... 0.001%, 75 μ s de-emphasis

Stereo Decoder

Frequency Response (L and R)..... \pm 0.1 dB, 10 Hz to 15 kHz
SNR (Stereo)..... 90 dB, 75 μ s de-emphasis
Distortion..... 0.001%, 10 Hz to 15 kHz, 75 μ s de-emphasis
Separation
L to R, R to L..... 100 dB, 10 Hz to 15 kHz
Crosstalk
L+R to L-R..... 100 dB min
L-R to L+R..... 100 dB min
SCA to L+R..... 100 dB min
SCA to L-R..... 100 dB min

Metering

Modulation (Peak, Ave, Min)
Total, L, R, L+R, L-R..... 0 to 150%, 0.1% resolution
Pilot..... 0 to 15.0%, 0.1% resolution
RMS
Total, L, R, L+R, L-R. . . . +10.0 to -120.0 dB, 0.1 dB resolution
Flat & 75 μ s
AM Noise, Sync AM Noise. . . 0.0 to -100.0 dB, 0.1 dB resolution
Separation..... 0.0 to -120.0 dB, 0.1 dB
Crosstalk..... 0.0 to -120.0 dB, 0.1 dB resolution

Indicators

Total Peak Modulation • Pilot Presence • RDS Sync & Presence • AM Noise Limit • SYNC AM Noise Limit

Composite Outputs

Analog (2 buffered)..... 1.5 Vrms @ 100%, 75 Ω unbalanced
BNC Connector
Digital (2 buffered)..... LVDS, 100 Ω , RJ-45 Connector

Audio Outputs

Analog Outputs (4 assignable)..... 5 Vrms, 75 Ω unbalanced
BNC Connector
Analog Outputs (4 assignable)..... +10 dBm, 600 Ω balanced
XLR Connector
AES-3ID (6 assignable)..... 1.0 Vpk-pk, 75 Ω , BNC Connector
Headphone (assignable)..... 1/4" Phone Jack

Alarm Outputs

Relays (4 assignable).... FORM C, 15-pin Female D-Sub Connector

Computer Interface

RS-232..... 9-pin Male D-Sub Connector
Ethernet 10/100 Base -T..... RJ-45 Connector
Dimensions..... 2 EIA Rack Unit
Power Requirements..... 40 Watts, 90-264V
50/60 Hz
Shipping Weight..... 12 lbs

Specifications are subject to change without prior notice.

INTRODUCTORY PRE-RELEASE PRICE - \$6900
(Prerelease price valid until 12/31/2009)

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