



**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  $\mu$ 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
- Two Digital SCA Decoders
- RF, Composite and Audio FFT Spectrum Analysis
- 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  $\Omega$ , BNC Connector  
Antenna Input..... 100  $\mu$ V sensitivity, 75  $\Omega$ , F-Type Connector

**FM Demod**

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

**Stereo Decoder**

Frequency Response (L and R).....  $\pm$ 0.1 dB, 10 Hz to 15 kHz  
SNR (Stereo)..... 90 dB, 75  $\mu$ s de-emphasis  
Distortion..... 0.001%, 10 Hz to 15 kHz, 75  $\mu$ 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

**FFT Spectrum Analysis (RF, Composite, Audio)**

Display Modes..... Realtime, Peak Hold, Average, Infinite Hold

**Amplitude**

Number of Points..... 150  
Scale..... +100.0 to -150.0 dB adjustable  
Resolution..... 0.1 dB

**Frequency**

Number of Points..... 501  
Resolution BW  
RF..... 25, 50, 100, 250, 500, 1000, 1500 Hz  
Composite..... 5, 10, 25, 50, 125, 250 Hz  
Audio..... 1, 2, 5, 10, 25, 50 Hz

**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  $\mu$ 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 • SCA #1 Peak and Presence • SCA #2 Peak and Presence • AM Noise Limit • SYNC AM Noise Limit

**Composite Outputs**

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

**Audio Outputs**

Analog Outputs (4 assignable)..... 5 Vrms, 75  $\Omega$  unbalanced  
BNC Connector  
Analog Outputs (4 assignable)..... +10 dBm, 600  $\Omega$  balanced  
XLR Connector  
AES-3ID (6 assignable)..... 1.0 Vpk-pk, 75  $\Omega$ , 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 - \$8900**

(Prerelease price valid until 12/31/2009)

**Available December 2009**



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