



VBDSA

VOICE-BAND DIGITAL SIGNAL ANALYZER

Model No: ICS-VBDSA-A05

The VBDSA is a PC based system consisting of M-audio card and associated software for voice band data analysis, demodulation & decoding.



Special Features

- Signal classification (Voice,Silence,Data,Noise)
- Modulation classification (FSK,PSK,QAM,VFT-FSK)
- Parameter Extraction
- Protocol identification
 1. Modulation type
 2. Carrier/ Mark-Space Frequency information
 3. Baud rate.
- Demodulation (FSK and VFT-FSK)
- Decoding
- PC Based System having M-Audio Card
- Two channels of bandwidth 300 Hz to 3400 Hz
- Auto mode and Manual Mode

Technical Specifications

- Channel Selection : Selection of channel A or B
- Modes : Auto & Manual Operation
- Markers : Peak & BW measurement
- Zoom : 400Hz IN Auto mode
- Remote Interface : LAN
- Power supply : 230 \pm 10% VAC, 50 Hz \pm 2Hz, 1- Φ
- Operating Temperature : 0 to 500 C
- Mechanical dimensions : 19" Rack Mountable
- Number of Inputs : 2 Audio inputs
- Input Level : 2.5 Vp-p (max)
- Input Frequency : 300Hz to 3400Hz
- Data Acquisition : Two channel Audio card with 96 KHz
- Analysis
 - Signal Classification - Voice, Noise, Data, Silence
 - Data Signal Classification - VFT-FSK,FSK,PSK,QAM
- Demodulation : FSK, VFT-FSK
- No of outputs : One, Demodulated data through RS-232/ USB
- Displays : Decoded data in ASCII8 Format
- CCITT Protocols for Analysis
 - VFT-FSK : R.35, R.37, R.38A, R.38B, R.39
 - FSK : B103F, B103R, V21F, V21R, V23F, V23R
 - PSK : B212AF, B212AR, V.22F, V.22R, V.26A, V.27
 - QAM : V.22bisF, V.22bisR, V.29
- High dynamic range (A-weighted measured):
 - D/A 101.5 dB, A/D 99.6 dB
- Low distortion (measured THD @DBFS):
 - A/D and D/A less than 0.002%

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



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