FX-AES Digital Audio Module

for the FX100 Audio Analyzer

The FX-AES Digital Audio Module is a plug-in board for the FX100 Audio analyzer that offers two AES3 out- & input channels.

Digital Signal Generator

- Formats
  - › XLR (balanced) AES3-1992
  - › BNC (unbalanced) SPDIF-EIAJ
  - › Optical connector TOSLINK
- Output impedance
  - › 75 Ω
  - › 110 Ω
- Signals
  - › same as analog generator
- Channel status
  - › key parameters adjustable
- Sampling rate
  - › MASTER mode (FX-AES = clock source)
    - › standard sampling rates from 28 kHz to 210 kHz
  - › SLAVE mode (FX-AES = synchronized to external clock)
    - › word-clock from SyncRef input (BNC)
    - › word-clock from Video signal (PAL, NTSC)
    - › AES3 input signal (XLR, BNC)

Digital Signal Analyzer

- Formats
  - › XLR (balanced) AES3-1992
  - › BNC (unbalanced) SPDIF-EIAJ
  - › Optical connector TOSLINK
- Input impedance
  - › 75 Ω
  - › 110 Ω
  - › Hi-Z
- Measurements
  - › all measurements of the analog analyzer (if applicable)
  - › channel status (key parameters)
  - › activity of Audio bits
  - › input sampling rate
- Sampling rate
  - › 28 kHz to 216 kHz

FX100 Operating Modes

- A-A, A-D, D-A, D-D

LED Indicators

- synchronized to BNC SyncRef input
- synchronized to digital input signal (XLR, BNC, TOSLINK)

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