Appendix D - Specifications

| ANALOG SIGNAL OUTPUTS | | |
|---------------------------------|--|--|
| Low Distortion Sine Wave | | |
| Frequency Range | 10 Hz to 120 kHz | |
| Frequency Accuracy | ±0.5% | |
| Frequency Resolution | 0.02% | |
| Amplitude Range (20 Hz - 30 kg | (Hz) ¹ | |
| Balanced | 0.25 mV to 25.00 Vrms [-70 to +30.17 dBu] | |
| Unbalanced | 0.25 mV to 12.50 Vrms [-70 to +24.16 dBu] | |
| Amplitude Range (full frequence | cy range) ¹ | |
| Balanced | 0.25 mV to 12.28 Vrms [-70 to +24.00 dBu] | |
| Unbalanced | 0.25 mV to 6.14 Vrms [-70 to +18.00 dBu] | |
| Amplitude Accuracy (1kHz) | ±0.2dB [±2.3%] | |
| Amplitude Resolution | 0.01 dB | |
| Flatness (1 kHz ref) | | |
| 10 Hz-20 kHz | ±0.05 dB | |
| 20 kHz-120 kHz | ±0.30 dB | |
| Residual THD+N ² | | |
| 25 Hz-20 kHz | \leq (0.0025% + 3 μ V), 80 kHz BW [-92 dB] | |
| 10 Hz-50 kHz | \leq (0.010% + 10 μ V), >300 kHz BW [-80 dB] | |
| Square Wave | | |
| Frequency Range | 20 Hz-30 kHz | |
| Frequency Accuracy | Same as Sinewave | |
| Amplitude Range ¹ | | |
| Balanced | 0.71 mVpp to 34.73 Vpp | |
| Unbalanced | 0.71 mVpp to 17.36 Vpp | |
| Amplitude Accuracy | ±0.3 dB [±3.5 %] at 400 Hz | |
| Rise/fall time | Typically 2.5 - 3.0 μs | |

- **Note 1** Calibration with other amplitude units is based upon an equivalent sinewave having the same Vpp amplitude.
- **Note 2** System specification including contributions from both generator and analyzer. Generator load must be $\geq 600 \ \Omega$.

SMPTE (or DIN) Test Signals with option "P1-IMD"

| LF Tone | 50, 60, 70, or 250 Hz; all ±1.0% |
|------------------------------|---|
| HF Tone Range | 7 kHz or 8 kHz (±1%) |
| Mix Ratio | 4:1 (LF:HF) |
| Amplitude Range ¹ | |
| Balanced | 0.71 mVpp to 70.71 Vpp |
| Unbalanced | 0.71 mVpp to 35.35 Vpp |
| Amplitude Accuracy | ±0.3dB [±3.5%] |
| Residual IMD ² | 0.0015% [-96.5 dB], 60 Hz+7 kHz or 250 +8 kHz |

OUTPUT CHARACTERISTICS

| Source Configuration | Selectable balanced or unbalanced |
|--------------------------|--|
| Source Impedances | |
| Balanced | 50Ω (±2 Ω), $150\Omega^3$ (±2 Ω), or 600Ω (±2 Ω) |
| Unbalanced | 50Ω ($\pm 2\Omega$) |
| Max Float Voltage | 42 Vpp |
| Output Current Limit | |
| Balanced | Typically >75 mA |
| Unbalanced | Typically >150 mA |
| Max Output Power | |
| Balanced | +29.5 dBm into 600Ω (Rs = 50Ω) |
| Unbalanced | +23.5 dBm into 600Ω (Rs = 50Ω) |
| Output Related Crosstalk | |
| (10Hz-20kHz) | ≤-110 dB or 10 μV, whichever is greater |

- **Note 1** Calibration with other amplitude units is based upon an equivalent sinewave having the same Vpp amplitude.
- Note 2 System specification including contributions from both generator and analyzer. Generator load must be \geq 600 Ω .
- **Note 3** 200 Ω with option "EURZ".

ANALOG ANALYZER ANALOG INPUT CHARACTERISTICS 80 mV to 250 V in 10 dB steps Input Ranges Maximum Rated Input 350 Vpk, 140 Vrms (dc to 20 kHz); overload protected in all ranges Input Impedance Balanced (each side) Nominally 100 k Ω // 150-200pF Unbalanced Nominally 100 k Ω // 150-200pF Terminations Selectable 600 $\Omega \pm 1\%$; 1 Watt [+30 dBm] maximum power **CMRR** 80mV-2.5V ranges ≥70 dB, 50 Hz-20 kHz 8V-250V ranges ≥50 dB, 50 Hz-1 kHz Input Related Crosstalk \leq -120 dB or 1 μ V, whichever is greater 10 Hz-20 kHz Level Meter Related (both channels) 10 mV-140 V [-38 dBu to + 45 dBu] for specified Measurement Range accuracy and flatness, useable to <100 μV Accuracy (1 kHz) $\pm 0.1 \, dB + 100 \, \mu V$ Flatness (1 kHz ref) 20 Hz-20 kHz $\pm 0.05 \, dB$ 10 Hz-50 kHz +0.2 dB50 kHz-120 kHz ± 0.50 dB (-3 dB BW typically >300 kHz) Frequency Meter Related (both channels) Measurement Range 10 Hz-200 kHz Accuracy ±0.01% [±100 PPM] Resolution 5 digits

Note 4 For fully specified performance. Usable with inputs as low as 10 mV. Readings are disabled for in uts below approximately 7 - 8 mV.

25 mV⁴

Minimum Input

Phase Measurement Related

| Measurement Ranges | ±180, +90/-270, or -90/+270 deg |
|--------------------|---------------------------------|
| Accuracy | |
| 20 Hz-20 kHz | ±2.0 deg |
| 10 kHz-50 kHz | ±5.0 deg |
| Resolution | 0.1 deg |
| Minimum Input | 25 mV, both inputs ⁴ |

Wideband Amplitude/Noise Function

| Measurement Range | <1 μV-140 Vrms [-118 dBu to + 45 dBu] |
|----------------------------|---|
| Accuracy (1 kHz) | ±0.2 dB [±2.3 %] unweighted |
| Flatness (1 kHz ref) | |
| 20 Hz-20 kHz | ±0.05 dB |
| 10 Hz-50 kHz | ±0.2 dB |
| 50 kHz-120 kHz | ±0.5 dB (-3 dB BW typically >300 kHz) |
| Bandwidth Limiting Filters | (See Figure D-1) |
| LF -3 dB | <10 Hz, |
| | 400 Hz ±5% (3-pole)_ |
| HF -3 dB | 22 kHz ±5% (5-pole) ⁵ , |
| | 30 kHz ±5% (3-pole), |
| | 80 kHz ±5% (3-pole), or |
| | >300 kHz |
| Weighting filters | ANSI-IEC "A" per IEC 179 (See Figure D-2) |
| | CCIR-QPK per CCIR Rec 468 |
| | CCIR-ARM per Dolby Bulletin 19/4 |
| | CCIR-1k (rms, 0 dB at 1 kHz) (See Figure D-3) |
| | CCIR-2k (rms, 0 dB at 2 kHz) (See Figure D-3) |
| Optional Filters | up to 2 (Aux 1 and Aux 2) |
| Detection | RMS (τ = 60 msec), |
| | AVG, |

Note 4 For fully specified performance. Usable with inputs as low as 10 mV. Readings are disabled for in[uts below approximately 7 - 8 mV.

Note 5 Combined with 22 Hz highpass per CCIR Rec 468.

| 1 (Colduct 140loc | |
|--------------------------------|--|
| 22 Hz-22 kHz BW | ≤1.5 μV [-114 dBu] |
| A-weighted | ≤1.0 µV [-118 dBu] |
| CCIR-QPk | ≤5.0 μV [-104 dBu] |
| Bandpass Amplitude Fund | etion |
| Tuning Range (f _o) | 20 Hz to 120 kHz |
| Tuning Accuracy | ±2% |
| Bandpass Response | Q=5 (2-pole) |
| Accuracy (at f _o) | ±0.3 dB, 20 Hz-120 kHz |
| Residual Noise | |
| 10 Hz-5 kHz | ≤0.25 μV [-130 dBu] |
| 5 kHz-20 kHz | . ≤0.5 μV [-124 dBu] |
| 20 kHz-200 kHz | ≤1.5 μV [-114 dBu] |
| THD+N / SINAD Function | |
| Fundamental Range | 10 Hz to 100 kHz, THD+N mode |
| | 400 Hz or 1 kHz, SINAD mode |
| Measurement Range | <0.001%-100% |
| Accuracy | ±1 dB, 20 Hz-120 kHz harmonics |
| Measurement Bandwidth | |
| LF -3 dB | <10, 22 or 400 Hz |
| HF -3 dB | 22K, 30k, 80k, or >300 kHz; |
| | option filters are also functional |
| Residual THD+N ⁶ | |
| 25 Hz-20 kHz | \leq (0.0025% + 3.0 μ V), 80 kHz BW [-92 dB] |
| 10 Hz-50 kHz | \leq (0.010% + 10 μ V), >300 kHz BW [-80 dB] |
| Minimum Input | 25 mV for specified accuracy in AUTO TUNE mode, 800 μ V [-60 dBu] in other modes. |
| Nulling Time | Typically 2-3 seconds above 25 Hz, Increases in a "1/V" fashion for inputs below 25 mV [-30 dBu] |
| | |

QPk per CCIR Rec 468,

Residual Noise

Note 6 System specification including contribution from generator. Generator residual THD may limit system performance below 25 Hz if output is >20.0 Vrms balanced, or 10.0 Vrms unbalanced.

Crosstalk Function

| Frequency Range | 10 Hz to 120 kHz |
|---------------------------------|--|
| Measurement Range | -140 dB to 0 dB |
| Accuracy ⁷ | ±0.5 dB |
| Residual Crosstalk ⁷ | \leq -120 dB at 20 kHz, R_s = 600 Ω |
| Minimum Input | 25 mV for reference channel ⁸ |

SMPTE (DIN) IMD Function with option "IMD"

| Test Signal Compatibility | Any combination of 40-250 Hz (LF) and 3 kHz-20 kHz (HF) tones, mixed in any ratio from 0:1 to 8:1 (LF:HF) |
|--|---|
| IMD Measured | Amplitude modulation products of the HF tone3 dB measurement bandwidth is typically 20Hz-750Hz |
| Measurement Range | <0.0025%-20% |
| Accuracy | ±1 dB per SMPTE RP-120-1983, DIN 45403 |
| Residual IMD (Vin ≥200mV) ⁹ | ≤0.0025% [-92 dB], 60 + 7 kHz or 250 + 8 kHz |
| Minimum Input | 100 mV |

Ratio Function

| Measurement Range | -80 dB to +100 dB, 0.01 dB resolution |
|-------------------|---------------------------------------|
| Accuracy | ±0.1 dB, 20 Hz-20 kHz |
| Minimum Input | |
| Mode 1 | 10 mV [-38 dBu], denominator signal |
| | 10 μV [-98 dBu], numerator signal |
| Mode 2 | 10 μV [-98 dBu], denominator signal |
| | 10 mV [-38 dBu], numerator signal |

AC Mains Check Function

| Measurement Range | 0.85-1.10 of nominal setting |
|-------------------|------------------------------|
| Voltage Accuracy | ±1 % |

- Note 7 Uses the 1/3 octave bandpass filter to enhance the measured range in the presence of wideband noise. Alternate (interfering) channel input must be ≥5 mV.
- Note 8 For fully specified performance. Usable with inputs as low as 10 mV. Readings are disabled for in[uts below approximately 7 8 mV.
- **Note 9** System specification including contribution from generator.

| Gen Load Function | |
|---------------------------|---|
| Measurement Range | <1 Ω to 20 k Ω |
| Accuracy | $\pm [5~\% + 0.5~\Omega]$ for readings <1 k Ω |
| | Degrades rapidly above 1 $k\Omega$ or with reactive loads |
| Frequency Range | 20 Hz - 20 kHz |
| Test Voltage | 200 mV default. Usable from 10 mV to generator maximum |
| Wow & Flutter Function | |
| Test Signal Compatibility | 2.80 kHz-3.35 kHz |
| Measurement Range | <0.005% to 3% (single range) |
| Accuracy (4 Hz) | $\pm (5\% \text{ of reading + 0.002\%})$ |
| Detection Modes | IEC/DIN (quasi-peak per IEC-386), |
| | NAB (average), |
| | JIS (per JIS 5551) |
| Response Selections | |
| Weighted | 4 Hz bandpass per IEC/DIN/NAB |
| Unweighted | 0.5 Hz-200 Hz |
| Residual W+F | |
| Weighted | ≤0.005% |
| Unweighted | ≤0.01% |
| Minimum Input | 25 mV ¹⁰ |
| Settling Time | |
| IEC/DIN or NAB | Typically 3-6 seconds |

DIGITAL SIGNAL GENERATOR

Typically 15-20 seconds

DIGITAL OUTPUT CHARACTERISTICS

JIS

| Output Formats | AES/EBU (per AES3-1992) |
|----------------|---------------------------------------|
| | SPDIF-EIAJ |
| | Optical (Toslink [®]) |
| Sample Rates | 28.8 kHz-52.8 kHz AES/EBU |
| | 57.6 kHz-105.6 kHz with 96 kHz option |

Note 10 For fully specified performance. Usable with inputs as low as 10 mV. Readings are disabled for in[uts below approximately 7 - 8 mV.

| Sample Rate Resolution | 1/128 Hz (approx. 0.0078 Hz) |
|-------------------------------|--|
| Sample Rate Accuracy | ±0.002% [±20 PPM] using internal reference, lockable to external reference |
| Word Width | 16 to 24 bits (even values) |
| Output impedance | |
| Balanced (XLR) | 110Ω |
| Unbalanced (BNC) | 75Ω approx. |
| Sine Wave | |
| Frequency Range | 10 Hz to 47% of sample rate (22.56 kHz at 48 ks/sec) |
| Frequency Resolution | Sample Rate ÷2 ²³ (typically 0.006 Hz at 48 ks/sec) |
| Flatness | ±0.001 dB |
| Residual Distortion | ≤0.00001% [-140 dB] |
| Square Wave | |
| Frequency Range | 10 Hz to 1/6 sample rate (7350 Hz at 44.1 ks/sec, 8000 Hz at 48 ks/sec) |
| Frequencies available | $f_s \div 4096$ to $f_s \div 6$, in even integer divisors |
| Even Harmonic Content | ≤0.00001% [-140 dB] |
| SMPTE/DIN IMD Waveform w | ith option "IMD" |
| Upper Tone Frequency Range | Choice of 7 kHz or 8 kHz |
| Lower Tone Frequency Range | Choice of 50 Hz, 60 Hz, 70 Hz, or 250 Hz |
| Flatness | ±0.001 dB |
| Amplitude Ratio | 4:1 (LF:HF) |
| Residual Distortion | ≤0.00001% [-140 dB] at 4:1 ratio |
| Random Generator Waveform | n |
| Waveform | Compatible with BITTEST.AZ1 used with System One |
| Dither (Sine, IMD, and Square | e waveforms) |
| Probability Distribution | Triangular or rectangular; independent for each channel |
| Spectral Distribution | Flat (white) or Shaped (+6 dB/oct, triangular only) |
| Amplitude | Automatically tracks word width or off |
| | |

| AES/EBU | U INTERFACE GENERATION |
|--------------------------|--|
| Interface Signal | |
| Amplitude Range | |
| Balanced (XLR) | 0-5.12 Vpp, $\pm (10\%$ + 80 mV) into 110 $\!\Omega$ in 5 mV steps |
| Unbalanced (BNC) | 0 to 1.28 Vpp, \pm (8% + 20 mV) into 75 Ω in 1.25 mV steps |
| Channel Status Bits | English language decoded, Professional or consumer formats. CRCC implemented |
| | Time of Day not implemented |
| | Sample Count not implemented |
| User Bits | set to 0 |
| Validity Flag | Selectable, set or cleared |
| AES/EBU Impairments | |
| Induced Jitter | Sinewave |
| Jitter Freq Range | 40 Hz to 38.8 kHz |
| Jitter Freq Accuracy | ±0.0020% [±20 PPM] |
| Jitter Amplitude | 0-1.28 UI (pk), \pm (10% + 0.01 UI) in steps of 0.005 UI or better |
| | 1.3-12.75 UI (pk), $\pm 10\%$ in steps of 0.05 UI or better |
| Jitter Flatness | ±1 dB ref 500Hz, 50 Hz to 30 kHz |
| Residual Jitter, | (total generator/analyzer) |
| peak calibrated | |
| RMS response | ≤0.005 UI (700 Hz-30 kHz BW), |
| Peak response | ≤0.015 UI (700 Hz-30 kHz BW), |
| Spurious Jitter Products | , |
| Jitter & Ref Delay Off | ≤0.0005 UI |
| Jitter On | ≤-30 dB below jitter signal |

REFERENCE INPUT CHARACTERISTICS

| Input Formats | AES/EBU (per AES 3-1992) |
|--|------------------------------------|
| Input Sample Rates (must equal desired output r | 28.8 kHz-52.8 kHz AES/EBU rate) |
| Minimum Input Amplitude | 400 mVpp |
| Input Impedance | Nominally 110 Ω |
| Lock Range | ±0.0025% [±25 PPM] |

Output Delay from Reference -64/+63.5 UI, $\pm(5\% + 0.5$ UI), in 0.125 UI steps

| DIGITAL ANALYZER | | |
|-------------------------------|---------------------------------------|--|
| DIGITAL INPUT CHARACTERISTICS | | |
| Input Formats | AES/EBU (per AES 3-1992) | |
| (Automatically selected) | SPDIF-EIAJ | |
| | Optical (Toslink [®]) | |
| Sample Rates | 28.8 kHz-52.8 kHz AES/EBU | |
| Word Width | 16 to 24 bits (even values) | |
| Input Impedance | | |
| AES/EBU | 110 Ω or \geq 2.5 k Ω | |
| SPDIF-EIAJ | 75 Ω or ≥ 3 kΩ | |

EMBEDDED AUDIO MEASUREMENTS

| Wideband Level/Amplitude | |
|--------------------------|-----------------------------------|
| Range | 0 dBFS to -140 dBFS |
| Frequency Range | <10 Hz-22.0 kHz at 48 ks/sec |
| Accuracy | ±0.01 dB, ≥-90 dBFS |
| Flatness | ±0.01 dB, 15 Hz-22 kHz, with |
| | <10 Hz high-pass filter selection |
| High pass Filters | 22 Hz, 2-pole Butterworth |
| | 400 Hz, 2-pole Butterworth |
| Low pass Filters | 15 kHz, 6-pole elliptic low-pass |
| | 20 kHz, 6-pole elliptic low-pass |
| Weighting Filters | ANSI-IEC "A" weighting, Type 0 |
| | CCIR QPk per CCIR Rec 468 |
| | CCIR RMS per AES 17 |
| Residual Noise | -140 dBFS unweighted |
| | -142 dBFS A-weighted |
| | -134 dBFS CCIR RMS |
| | -130 dBFS CCIR QPk |
| | -139 dBFS 20 kHz LP |
| | -140 dBFS 15 kHz LP |

| Narrow Band Amplitude | |
|---------------------------|---|
| Frequency Range | 0.04% to 40% of sample rate (10 Hz-19.2 kHz at 48.0 ks/sec) |
| Filter Shape | 10-pole, Q=19 (BW = 5.3% of f _o) |
| Residual Noise | ≤-150 dBFS |
| THD+N Measurements | |
| Fundamental Range | 0.02% to 45% of sample rate (10 Hz-22.0 kHz at 48.0 ks/sec) |
| Residual THD+N | ≤-138 dBFS |
| High pass Filters | 22 Hz, 2-pole Butterworth 400 Hz, 2-pole Butterworth |
| Low pass Filters | 15 kHz, 6-pole elliptic low-pass 20 kHz, 6-pole elliptic low-pass |
| Weighting Filters | ANSI-IEC "A" weighting, Type 0 CCIR QPk per CCIR Rec 468 CCIR RMS per AES 17 |
| SMPTE (DIN) IMD Function | with option "IMD" |
| Test Signal Compatibility | Any combination of 40-250 Hz (LF) and 3 kHz-20 kHz (HF) tones, mixed in any ratio from 1:1 to 4:1 (LF:HF) |
| IMD Measured | Amplitude modulation products of the HF tone3 dB measurement bandwidth is typically 20 Hz-750 Hz |
| Measurement Range | <0.0001%-10% |
| Accuracy | ±1 dB per SMPTE RP-120-1983, DIN 45403 |
| Residual IMD (0 dBFS) | ≤0.0001% [-120 dB], 60 + 7 kHz or 250 + 8 kHz |
| Frequency Measurements | |
| Range | 5 Hz to 47% of sample rate (5 Hz-21.0 kHz at 44.1 ks/sec) (5 Hz-23.0 kHz at 48.0 ks/sec) |
| Accuracy | ±0.01% of reading or 0.0001% of sample rate, whichever is greater |
| Resolution | 0.003% of reading or 0.0001% of sample rate, whichever is greater |

Phase Measurement Related

| Measurement Ranges | ±180, +90/-270, or -90/+270 deg |
|--------------------|---------------------------------|
| Accuracy | ±2.0 deg (20 Hz-20 kHz) |
| Resolution | 0.1 deg |

BITTEST measurement

| Measurement | Compatible with Random Mode of System One |
|-------------|---|
| | BITTEST.AZ1 |

DIGITAL INTERFACE MEASUREMENTS

AES/EBU Impairments, real time displays

| Input Sample Rate | ±0.002% [±20 PPM] internal ref, ±0.0001% [±1 PPM] external ref |
|----------------------------------|--|
| Output to Input or Reference | Measures status propagation from the |
| Input to Input Delay | AES/EBU output to the input. Range is 0-192 |
| , , | samples (frames), resolution ±60 ns. |
| AES/EBU Input Voltage | |
| Balanced | 400 mV to 10.24 Vpp, ±(5% + 50 mV) |
| Unbalanced | 100 mV to 2.56 Vpp, ±(5% + 12 mV) |
| Jitter Amplitude | (peak sinewave calibrated) 0-5 UI, |
| (500 Hz) | ±(10% + 0.04 UI) |
| Jitter Flatness | ±1.5 dB, 100 Hz-22 kHz (50 Hz HP selection, RMS detection, 48 kHz sample rate) |
| Residual Jitter, peak calibrated | (analyzer only) |
| RMS response | ≤0.005 UI (700 Hz-30 kHz BW) |
| Peak response | ≤0.015 UI (700 Hz-30 kHz BW) |
| Spurious Jitter Products | ≤0.001 UI (>1.2 kHz) or <-40 dB below jitter signal |
| Channel Status Bits | English language decoded (Professional or Consumer) |
| User Bits | Not displayed |
| Validity Flag | Displayed for selected channel |
| Parity | Displayed for total signal (both channels combined) |
| Signal Confidence | Displayed for total signal (both channels combined) |
| Receiver Lock | Displayed for total signal (both channels combined) |

| Coding Error | Displayed for total signal (both channels combined) |
|--------------|---|
|--------------|---|

AUXILIARY SIGNALS

| Generator Auxiliary Signals | |
|-----------------------------|--|
| Analog Sync Output | LSTTL compatible signal that is intended to be used as a trigger for stable oscilloscope displays. |
| Digital Sync Output: | (600mVpp nominal squarewave) |
| Selectable from: | |
| Transmit Frame Sync | Squarewave at the programmed internal sample rate |
| Receive Frame Sync | Squarewave at the rate of the received AES/EBU signal |
| Xmit Clock | Squarewave at 256x the programmed internal sample rate |
| Rcvr Clock | Squarewave at 256x the received sample rate |
| Jitter Generator | Squarewave at Jitter Frequency |
| Digital Signal Generator | Squarewave at digital generator frequency for scope trigger |
| AES Interface Error | Logic low on error detection |

Analyzer Signal Monitors

| Input Monitor | Buffered version of the analog or digital input signal. Amplitude is typically 0-2.83 Vpp. |
|---------------|--|
| Reading | Buffered version of the analog or digital analyzer output signal after all filtering and gain stages. Amplitude is typically 0-2.83 Vpp. |

AUDIO MONITOR Power Output Typically 1 Watt

| GENERAL / ENVIRONMENTAL | |
|-------------------------|---|
| Power Requirements | 100/120/230/240 Vac (-10%/+6%), 50-60 Hz, 60 VA max |
| Temperature Range | |
| Operating Storage | 0°C to +40°C -20°C to +60°C |
| Humidity | 80% RH to at least +40°C (non-condensing) |
| Altitude | Up to 2000 meters |
| EMC ¹¹ | Complies with FCC subpart J - Class B Complies with 89/336/EEC, 92/31/EEC, and 93/68/EEC. EN 50081-1 (1992) Emissions Class B EN 50082-1 (1992) Immunity |
| Safety | Complies with 73/23/EEC and 93/68/EEC EN61010-1 (1993) - IEC 1010-1 (1990) + Amendment 1 (1992) + Amendment 2 (1995) Installation Category II - Pollution Degree 2 |
| Dimensions | 16.5 x 6.0 x 13.6 inches [41.9 x 15.2 x 34.5 cm] |
| Weight | Approximately 20 lbs [9.1 kg] |

Note 11 Emission and Immunity levels are influenced by the shielding performance of the connecting cables. The shielding performance of the cable will depend on the internal design of the cable, connector quality, and the assembly methods used. EMC compliance was evaluated using Audio Precision XLR type cables, part number CAB-AES.