Audio Technica VM95SH - Thorens TD160 Super - SME III - Art Preamp

Measurement Report

DATE Thursday, 5 November 2026 at 12:08

INPUT —

MEASUREMENTS

Channel balance	L-R +2.90 dB
Playback RPM	33.29 RPM • -0.12% vs 33 1/3 • Settled min 33.23 RPM • Settled max 33.36 RPM • Span 0.13 RPM
DIN-shaped wow & flutter RMS	0.030%
Raw speed variation	Unweighted RMS ±0.108% • 2-sigma ±0.216%
Raw wow/flutter components	Unweighted wow RMS 0.101% • Unweighted flutter RMS 0.037%
1 kHz Electrical Crosstalk	L→R -18.4 dB • R→L -17.0 dB • Balance 1.45 dB • Avg separation 17.7 dB
Distortion diagnostics	L 1.37% THD • R 1.26% THD • THD L-R +0.11 pp • H2 L 0.8 dB higher • H3 R 8.6 dB higher
Harmonic reliability	Steady during recording. Suitable for setup guidance.
Harmonic profile	L 2nd -37.3 dB • 3rd -68.1 dB • 4th -76.5 dB • 5th -75.2 dB | R 2nd -38.1 dB • 3rd -59.5 dB • 4th -72.0 dB • 5th -71.6 dB
Further investigation	A large L/R difference was observed in level. Check routing and gain, then repeat the capture. If the difference persists, investigate with General Reference Level in Groove Scope Studio, using the matching test records.