

# RELIABILITY Meets INNOVATION

# **TRUDAC** Digital Drive Interface

## CUT THE NOISE. STAY IN CONTROL.

TruDAC is a digital drive interface that replaces the traditional analog drive connections by breaking the ground path between your controller and amplifier. TruDAC simplifies, isolates, and future-proofs your vibration system.

Convert from digital to analog in order to reduce noise, support longer cable runs, and detect connection issues.

Built for modern test labls, TruDAC delivers:

- Digital input over mini-XLR (AES/EBU standard)
- Up to 216kHz sample rate with 32-bit resolution
- ±10V differential analog outputs with <-100dB THD+N
- Balanced differential signaling over twisted pair cabling
- Transformer-coupled isolation to block low-frequency interference
- Detection of disconnected/broken cables before start of test

IN THE FUTURE, TRUDAC ENABLES DIRECT DIGITAL AMPLIFIER CONTROL INSTEAD OF A/D CONVERSIONS.

### THE FUTURE PATH TO POWER.

The world has gone digital - from photography to finance. Yet many vibration labs are still relying on analog drive paths that convert digital signals to analog, only to re-digitize them again inside the amplifier.

TruDAC is the bridge to a better approach. It provides a clean, isolated, digital drive signal now, and paves the way for fully digital amplifier integration tomorrow.

Eliminate unnecessary conversions - and the dysfunctional noise.

### COMPATIBILITY

**Software:** VibrationVIEW 2025.1 and newer **Controller:** VR9700, VR10500 **Cable:** 110 twisted pair AES/EBU-style digital cable with a mini-XLR connector (included) **Power:** 12V power adapter or DB9 remote power interface (included)



32-bit Output Resolution Up to 216kHz Sample Rate ±10V Output Voltage Range <-100dB Total Harmonic Distortion

