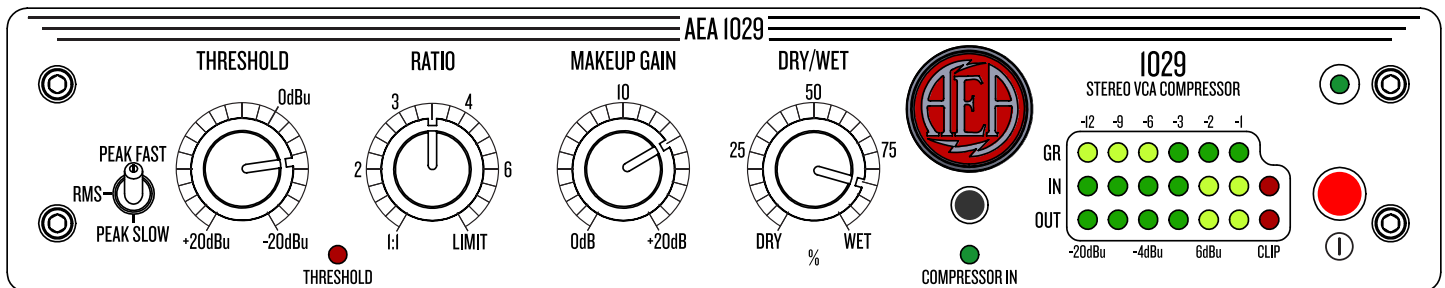




AEA RIBBON MICS INC Since 1964

AEA 1029 Stereo VCA Compressor

The AEA philosophy
in a compressor



The AEA 1029 is an Ultra-Clean Stereo VCA Compressor featuring a proprietary discrete op-amp design in a half-rack chassis.

Simple, straightforward design

From subtle smoothing to limiting, the AEA 1029 provides ultra-clean compression that you have to hear to believe. The AEA 1029 utilizes a proprietary discrete op-amp design by Fred Forssell and two THAT 4305 VCA chips run off of a single RMS detector being fed by the summed input signals. This design results in a versatile compressor with a clear and balanced sound perfect for taming vocals or smashing drum overheads. Designed to pair well with our TRP and RPQ series preamps, the 1029 Stereo VCA compressor is perfect for recording and/or mixing stereo microphones.

Feature set

- Half-rack form factor
- 2 channels of XLR in and out
- 3 position Peak Fast, RMS, and Peak Slow sensing times
- Variable threshold from -20dBu to 20dBu
- Variable ratio from 1:1 - Limit
- Up to 20dB of makeup gain
- Dry/Wet percentage control knob
- True bypass relay switching
- Gain reduction, summed input, and summed output 6 segment LED meters

Technical Specifications

Input Impedance: 10 k Ω Actively Balanced
Max Input Level: +26 dBu
Input CMRR: Better than 70dB (22Hz to 22kHz)
Output Stage: 50 Ω Active Balanced Floating
Max Output Level: +26 dBu Balanced Load
+22 dBu Unbalanced Load
Minimum Load Impedance: 600 Ω

Signal-to-Noise Ratio Dry: -97dBu, Wet: -91dBu

Frequency Response

Dry: 10 Hz to 200 kHz (+0 dB, -0.05 dB)
Wet: 10 Hz to 200 kHz (+0 dB, -0.1 dB)
Input and Output XLR Polarity: Pin 2 +, Pin 3 -
Absolute Phase: Non-inverting

Attack and Release Times

Peak Fast: 4ms attack, 17ms release
RMS: 12ms attack, 50ms release
Peak Slow: 4ms attack, 200ms release

LED Signal Level Indicators

7 Segment LED Meters: -20, -12, -4, 0, 6, 10, 20 (6dB before clipping)

Gain Reduction Indicator

6 Segment LED Meter: -1, -2, -3, -6, -9, -12dB gain reduction

Power Consumption: 6 Watts
Line Voltage: 100 to 240 VAC

Dimensions: Half-rack wide (8.5 in), 1 rack unit high (1.8 in)
8 in deep (measured with knobs)
(21.59 cm x 20.32 cm x 4.6 cm)

2lb (~893 g)

Weight: 1 lbs 1 oz (0.483 kg)

Power Supply Weight: 7 feet 8.5 inches (2.3 m)

