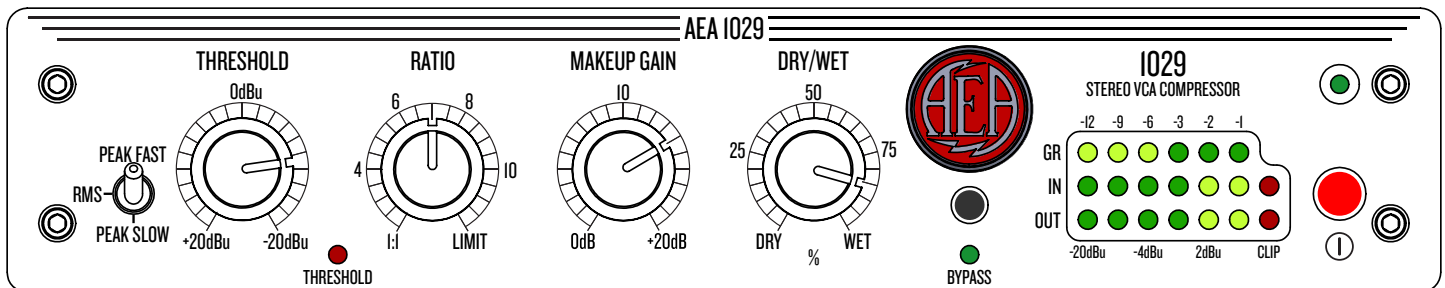




AEA RIBBON MICS INC Since 1964

AEA 1029 Stereo VCA Compressor

The AEA philosophy
in a compressor



Designed to pair well with our TRP and RPQ series preamps, the 1029 Stereo VCA compressor is the perfect addition to any studio.

Simple, straightforward design

With a proprietary discreet op-amp design by Fred Forsell the AEA 1029 utilizes two THAT 4305 VCA chips run off of a single RMS detector being fed by the summed input signals. This product was primarily designed for the recording and/or mixing of 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

Preliminary Technical Specifications

- Noise Floor (22 Hz - 22 kHz, unweighted):** -90 dBu Dry signal path
-86 dBu Wet signal path
- Frequency Response:** +/- 0.1 dB 10 Hz to 200 kHz Dry signal path
+/- 1 dB 10 Hz to 110 kHz Wet signal pat
- THD+N(%): Dry Signal Path:** 1 kHz- 0.001% @ 0 dBu 600 Ω load
1 kHz- 0.0008% @ +26 dBu 600 Ω load
- THD+N(%): Wet Signal Path:** 1 kHz- 0.01% @ 0 dBu 600 Ω load
1 kHz- 0.07% @ +20 dBu 600 Ω load
- Input Impedance:** 52 Ω balanced
- Output Impedance:** 20 kΩ balanced
- CMRR:** > 80 dB (22 to 22kHz)
- Crosstalk:** -100 dB 10 Hz, - 80 dB 20 kHz
- IMD (SMPTE 4:1):** 0.02% @ 0 dBu 600 Ω load
0.001% @ +24 dBu 600 Ω load
- Maximum Input level:** +26 dBu
- Maximum Output Level:** +26 dBu (600 Ω minimum load Z)
- Power Consumption:** +15.6 VDC = 180 ma
-15.6 VDC = 110 ma
- 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)
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- Weight:** 2lb (~893 g)
- Power Supply Weight:** 1 lbs 1 oz (0.483 kg)
- Power Supply Length:** 7 feet 8.5 inches (2.3 m)
Power supply length may be supplemented with longer IEC cable.

