

TECTON / Series



Tecton uses CAMCO's advanced technologies to deliver a range of amplifiers, where high audio quality, power and reliability is of highest priority.

Sonic Integrity

Based on the technology of the renowned Vortex series, the Tecton series offers excellent sonic integrity, with some of the markets best audio specifications delivering low distortion and high dynamic range.

Load & Cost Optimized

The Tecton series is optimized for either high or low impedance loads. This unique concept allows for complete application focus reducing unwanted feature and cost. Where specific tools are required for specific use Tecton delivers it all - even in the most power demanding venues.

Low Weight – High Reliability

With a weight of just 9,4 kg, the Tecton series is ideal for PA and Monitor installation in all market sections. CAMCO's rugged design and high reliability make the Tecton series a cost effective option for the discerning user.

Optional Remote Control, DSP & Network

All Tecton amplifiers can be upgraded with CAMCO's advanced controller-modules. These offer the possibility for loudspeaker management, remote control and digital audio network in any desired combination. The possibility for upgrades makes any CAMCO amplifier a future-proof investment.

6 Years Warranty

CAMCO amplifiers renowned reliability is backed up by 6 years warranty from date of first purchase.

The 3 position clip limiter provides accurate protection while maintaining the maximum power values possible. If the amp is overdriven, the clip detection triggers the Attack Release Circuit (ARC). The fine structure between fast and slow modes assures sonic integrity and maximum protection.



The signal section is designed as an Extended User Interface (EUI) module. This EUI can be replaced with upgrades such as integrated controller-DSP, remote control & digital audio network. This concept ensures CAMCO amplifier as a future proof investment that can take advantage of current as well as future available upgrades.

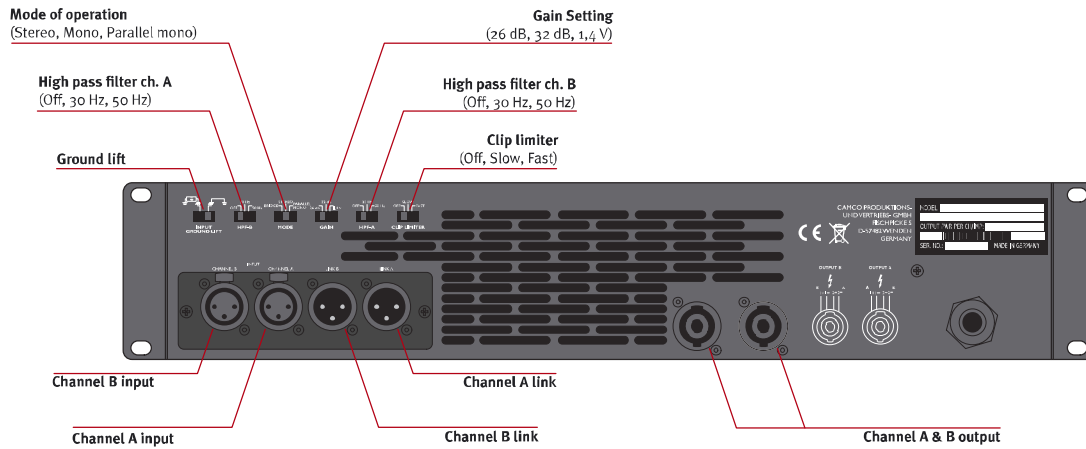


The whole PCB-board of the Tecton amplifier is hanging upside down inside the chassis. Dust or other particles that would normally gather up over time will simply fall off ensuring long-term reliable performance, even in heavily particle polluted environments.



"The features are very good, especially regarding the very complete and well designed protection circuits. Special attention is deserved by the limiters, which are perfectly tuned to everyday use with clip- and RMS-character and not only prevent clipping of the power amp, but also offer solid protection for the connected speakers. The pricing of the Tecton's is pleasingly moderate and anyhow you could never go wrong with a Camco poweramp as an investment and regarding resale value."

- Tecton test by Production Partner Magazine



Specifications:

		Tecton 14.2	Tecton 22.2	Tecton 28.2	Tecton 24.4	Tecton 32.4	Tecton 38.4
Stereo ¹⁾	8 Ω	226 W	355 W	517 W	698 W	918 W	1136 W
	4 Ω	420 W	660 W	920 W	1216 W	1595 W	1900 W
	2 Ω	730 W	1140 W	1420 W	1600 W ²⁾	1600 W ²⁾	1500 W ²⁾
Mono	16 Ω ³⁾	452 W	710 W	1034 W	1396 W	1836 W	2272 W
	8 Ω ³⁾	840 W	1320 W	1840 W	2432 W	3190 W	3800 W
	4 Ω ³⁾	1460 W	2280 W	2840 W	3200 W ²⁾	3200 W ²⁾	3000 W ²⁾
	2 Ω ⁴⁾	840 W	1320 W	1840 W	2432 W	3190 W	3800 W
	1 Ω ⁴⁾	1460 W	2280 W	2840 W	3200 W ²⁾	3200 W ²⁾	3000 W ²⁾

Output Circuitry	AB	2-Step Class H
Frequency Response	20 Hz - 20 kHz, ± 0,2 dB / 8 Hz-50 kHz, +0, -3 dB	
Input Impedance	40 kΩ balanced	
Input Gain	selectable: 26 dB, 32 dB, or 1,4 V input sensitivity	
Protection Circuits	inrush-current limitation, protection circuits against power- on/off transients, temperature monitoring, output DC protection, temperature dependent power transistor SOA protection, intelligent mains fuse protection	
Limiter	3 step switchable peak-limiter	
Fan	Temperature dependent speed-controlled axial fan	
Ground-Lift	input ground-lift switch on back panel	
Indicators	LED's for Mode, Signal, Clip, Output Current and faults for example like DC	
Input Connectors	3-pin XLR, male and female per channel, pin 2 = in phase	
Output Connectors	One 4-pole SPEAKON connector for each output channel (bi-amping possible)	
Modes Of Operation	STEREO, BRIDGE MONO and PARALLEL-MONO	
Options	Extended User Interface / E.U.I. — modules for any kind of EQ	
Signal To Noise-Ratio 20 Hz - 20 kHz, 8 Ω load	> 107 dB (unweighted) > 110 dB (A-weighted)	
THD+N (typical) 20 Hz-20 kHz, 8 Ω load 3 dB below rated power	< 0,02 %	
SMPTE (typical) 20 Hz-20 kHz, 8 Ω load 3 dB below rated power	< 0,02 %	
Damping Factor	> 400	
Net Weight	9,4 kg / 20,7 lbs	
Shipping Weight	11 kg / 24,3 lbs	
Dimensions (W x H x D)	483 x 88,9 x 340 mm / 19 x 3,5 x 13,4 inches (19", 2U)	
Shipping Dim. (W x H x D)	540 x 135 x 540 mm (0,04 m ³) / 21,3 x 5,3 x 21,3 inches	

1) All channels driven, 1 kHz, 1% THD @ 230 VAC 2) Peak Power, component tolerance dependent 3) Mono bridged 4) Parallel mono
All specification subject to change without notice