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# TUBE-TECH mono compressor CL 1B



Unique low distortion gain-reduction element.  
Tube (valve) push-pull amplifier.  
Multiple interconnection of several compressors via two buses.  
VU-meter for monitoring input, compression and output.  
Continuously variable attack and release time.  
Gain-range from - 00 to +30 dB.  
Threshold from +20 dBm to -40 dBm.  
Frequency-response 5 Hz to 25 kHz (-3 dB).  
Click less IN/OUT key.

## Description:

The gain-reduction element is positioned immediately after the input transformer and is controlled by the side chain amplifier, which also contains the two circuits for time control (one for fixed and one for variable attack/release). The two time-controllers can either be used separately or combined. This circuit contains semiconductor Op-amps for the entire control. The gain-reduction element is followed by a tube (valve) based push-pull amplifier with variable gain up to 30 dB. A switch (bus-selector) with three positions (off, bus 1, bus 2) is used when several compressors are linked together. Input and output transformers come with a static-screen between primary and secondary windings. Input and output are balanced and fully floating.

## Specifications: CL1B

**Input impedance:**  $\infty$  ?

**Output impedance:**  $< 60$  ?

**Gain:** 0-30 dB

**Distortion (THD @ 40 Hz):**  
OdBm: <0.15%  
+10 dBm: < 0.15 %  
Max. output (THD 1 %): > +26 dBm  
Max. input (THD 1 %): > +21 dBm  
Noise (Rg= 200 . ? )  
Gain: 0 dB +30 dB  
Unweighted: < -85 dBm < -75 dBm  
CCIR 468-3: < -75 dBm < -65 dBm

**Frequency response:**  
Lower: < 5 Hz  
Upper: > 25 kHz  
CMRR (@ 10kHz): > 60 dB  
Tubes: 1 x ECC 82  
1 x ECC 83

**Dimensions:**  
Width: 19 inch  
Height: 3 units  
Depth: 170 mm  
Weight: 4.1 kg

**Shipping weight:** 5.9 kg

**Power requirements:**  
230V /115V, 50-60 Hz: 22 W

All specifications at RL = 600 ? .  
Lydkraft reserves the right to alter specifications without prior notice.