

The Tape Deck CC 820 M



To match the usual T+A case with its extremely low-profile design a high-quality tape transport of metal construction is used, fitted with a sophisticated front loading mechanism. It has an accurate, low-wear revolver head reverse mechanism, very good speed consistency, and extremely low running noise and resonance thanks to the vibration-damped, fully de-coupled suspension system within the **CC 820 M**'s all-metal case.

The mechanism can easily be adjusted and fine-tuned for both directions of running, and the motor is very effectively shielded in order to avoid stray fields affecting the tape heads. The amplifier stages are low-noise differential amplifiers utilising J-FET technology, and are carefully designed to match the widely varying impedance of the tape heads. The **CC 820 M** records its own operating hours and head revolutions and automatically displays a warning on the screen when it should be taken to a specialist T+A dealer for servicing. This unique feature ensures that the tape deck's impressive sound qualities will be maintained even after years of intensive usage. Effective DOLBY* B and C noise-reduction systems are standard, giving outstandingly musical results with excellent dynamic range. The T+A developers have equipped the CC 820 M with an extremely effective ATC function: a fully- automatic tape calibration system. This feature adjusts the unit to suit each type of tape. This it does by comparing the results of a complex program which runs for about a minute, using three test frequencies and three equalisers to set the bias and frequency response to the optimum values.

Specifications

<i>Mechanism</i>	Professional, close-tolerance linear disc mechanism with triple-beam LDGU optics, 780 mm semi-conductor laser, 2 mW power
<i>Wow and flutter</i>	Quartz-controlled, not measurable
<i>Mechanical construction</i>	Rigid all-metal case, shielded sub-assemblies, vibration de-coupled
<i>Digital filters</i>	FIR, 8-times oversampling, 91 taps, 24 bit
<i>D/A converter type</i>	1-bit Sigma-Delta converter with 192-times oversampling
<i>Noise shaping</i>	3rd order (single stage noise shaping)
<i>Analogue filter</i>	Phase-linear Bessel filter 3rd order with 60 kHz limit frequency
<i>Frequency response</i>	2 Hz – 20 kHz
<i>Distortion / intermodulation</i>	< 0,004 %
<i>Effective system dynamics</i>	96 dB
<i>Signal: noise ratio (A-weighted)</i>	106 dB

<i>Signal: noise ratio (unweighted)</i>	100 dB
<i>Channel separation 1 kHz / 10 kHz</i>	106 / 100 dB
<i>Digital output</i>	2 x Coax = 0,5 V / 75 Ohms
<i>Analogue output</i>	nominal 1 V eff, 47 Ohms
<i>Dimensions</i>	7,8 x 30 x 30 cm
<i>Weight</i>	5 kg
<i>Colours</i>	Black aluminium, silver aluminium, chrome (Non-standard version)
<i>Remote control</i>	Via M system

We reserve the right to alter technical specifications.