

CF 300

Model CF 300 is both an easy to operate cassette tape recorder and a sensitive VHF/MW radio all in one portable package. VHF/MW radio broadcasts can be captured on cassette tape with a flick of a switch and SONY's built-in electret condenser microphone will pick up 'live' sounds with amazing fidelity. Whilst recording, the radio volume is continuously variable for monitoring, but is independent of recording level, which is automatically controlled. A choice of four power sources is available, torch battery, re-chargeable battery pack, car/boat battery or AC mains. Other outstanding features include 'review' facility, giving instant rewind and playback with one control—ideal for dictation, music studies, etc., AFC switch, tone control and telescopic antenna.

Specification

Circuit system: 2-track monaural cassette recorder, FM/AM superheterodyne radio

Semiconductors: 13 transistors, 1 FET, 1 IC, 11 diodes

Power requirements: AC 100, 110–120, 220–240 V, 50/60 Hz, (factory-set 220–240 V, 50 Hz), power consumption 4.5 watts, batteries 6V 4×HP11 or equivalent, rechargeable battery pack BP-16 (optional), car battery with car battery cord DCC-127 (optional) **Power output:** Max. 1.5 watts

Speaker: 4 inch diameter (100 mm diameter)

RADIO SECTION

Circuitry: Superheterodyne

Frequency range: VHF 87.5–108 MHz (3.43–2.78 m), MW 530–1608 kHz (566–187 m)

Aerial: Telescopic aerial (0.86 m) for VHF, ferrite bar aerial for MW

CASSETTE RECORDER SECTION

Recording system: 2-track monaural **Speeds:** 1 $\frac{7}{8}$ ips

Recording time: 2 hours with C-120

Frequency response: "Normal" tape 1 $\frac{7}{8}$ ips 50–10,000 Hz

Inputs:

Impedance	Sensitivity
Mic Low	–72 dB (0.2 mV)
Line 100 k ohm	–22 dB (0.06 V)

Outputs:

Monitor out 8 ohm earpiece, or 10 k ohm or more	Level 0 dB at 10 k ohm
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GENERAL

Dimensions (approx.): 11 $\frac{1}{2}$ (W) × 2 $\frac{1}{2}$ (H) × 8 $\frac{1}{2}$ (D) inches, 287 × 62 × 217 mm including projecting parts

Weight (approx.): 7 lb 1 oz (3.2 kg) with battery

Supplied accessories: 1 × demonstration tape, 1 × earpiece ME-20, 1 × mains lead, 1 × shorting plug SP-100, 1 × carrying case, 1 × set of head cleaning tips

Optional accessories: BE7 cassette eraser, BP16 rechargeable battery pack, DCC127 car battery lead, EC5M mic extension cable, EC5R mic extension cable, ECM95S condenser mic, F25S switched remote control mic, FS6 footswitch, HE2 head demagnetizer, MX600M mono mixer, RM15 remote control, TP5S telephone pickup

