



TANDBERG

#### DC/AC INVERTER 111

The "Tandberg Instrumentation Tape Recorder Series 100" is designed for portability as well as for stationary use. The demand for a DC/AC Inverter used with the Series 100 was early known, and the DC/AC Inverter 111 was specially designed for operating one Tandberg Instrumentation Tape Recorder Series 100 and one Tandberg Sync Unit 110 simultaneously.

The DC/AC Inverter 111 is small and rugged with a design matching the Series 100 recorder. Simple operation and protection against overvoltage is provided. The inverter can easily be changed from 12 V to 24 V DC operation.

The output voltage can be set to match the voltage setting on the recorder. This eliminates the need for operating the mains change-over switch on the recorder each time the inverter is to be used. In this way the inverter is adapted to the operating voltage of the Tandberg Instrumentation Tape Recorder Series 100.

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## TECHNICAL SPECIFICATIONS

### General:

Temperature range: 0 to +55 degrees Centigrade, operating. -40 to +75 degrees Centigrade, nonoperating.

Humidity: 10 % to 95 % (-25 to +40 degrees Centigrade), noncondensing.

Vibration: 0.1" displacement 5-18 Hz. 1.3 g. 18-200 Hz. nonoperating.

Shock: 50 g max. (10 ms. half sine), nonoperating.

Altitude: 15000 ft., operating, 25000 ft., nonoperating.

Operating positions: Any.

Weight: Approx. 2,9 lbs (1,3 kg)

Dimensions: Width 8 1/4" (210 mm). Height 3 1/2" (90 mm)  
Depth 6" (150 mm)

### Electrical:

Input voltage/current:	12 V DC Operation	24 V DC Operation
DC-voltage	11,5 V - 14 V	23 V - 28 V
DC-current (approx)*	3,0 A - 3,5 A	1,8 A - 2,0 A

\*Operating one Tandberg Instrumentation Tape Recorder Series 100 and one Tape Sync Unit 110.

Output voltage: Switchable output voltage for adaption to the recorder's requirement at 115 V or 230 V AC. (Switch on the rear panel.)

Output frequency: Approximately 300 Hz, squarewave.

Output power: Adequate for operation of one Tandberg Instrumentation Tape Recorder Series 100 together with one Tandberg Sync Unit 110.

Safety: A built-in crow-bar blows the fuse at approximately 15 V input in 12 V operation, and at approximately 30 V in 24 V operation.

Tandbergs Radiofabrikk A/S,  
P.O. Box 9, Korsvoll,  
Oslo 8, Norway.