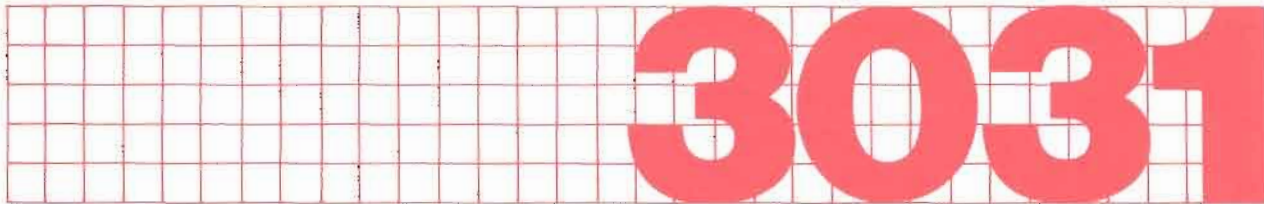


TANDBERG



TUNER

The new digital tuner TPT 3031A is the result of long term development in the Tandberg labs.

This new digital tuner offers a high degree of stability in combination

with an easy-to-read, and accurate LED display.



The front end

The front end employs ganged, tuned circuits where DC voltage controlled capacitance diodes are used as tuning elements, and Dual-Gate MOSFETs

are used in the RF stages. This achieves stable, accurate tuning and good sensitivity combined with superior headroom.

The TPT 3031A utilizes 4 tuned circuits to prevent Mirror Image (21.4 MHz) and other out of band distortion.

Programming unit

In addition to the main tuning, there is a second stage which stores 16 pre-tuned FM stations

in an electronic memory. This pre-tuning system is based on microprocessor

technology to achieve maximum S/N ratio and frequency stability.

Easy operation

The TPT 3031A offers both manual and automatic tuning. Advanced microprocessor technology limits the number of buttons to

a minimum, and all functions are easy to control with a logical lay-out.

The display incorporates LED's indicating signal-strength, center-tuning and stereo-reception.

The audio circuit

To make a good tuner takes a special knowledge of radio frequency technology, but in many cases the audio section is neglected in terms of component quality and design criteria.

The TPT 3031A Tuner shares the design-philosophy of the other well recognized high-end products in the Tandberg

3000-series. Design high-lights are carefully selected components.

Full remote operation

The TPT 3031A Tuner is built for full remote operation, like several other new Tandberg products. The optional RC-3000 Remote Control

operates all these different units from one single transmitter. The remote control offers direct access to all presets.

To secure the set against unattended re-programming, all presets must be set/programmed on the tuner itself.

Technical Data

Tandberg Programmable Tuner TPT 3031A

Power requirements:	110 – 115 V/220 – 230 V/240 V ± 10 %, 50/60 Hz
Power consumption:	20 W
Dimensions:	Width: 17 1/8" (43.5 cm) Depth: 13 3/4" (35.0 cm) Height: 3 1/4" (8.3 cm) Weight: 10.7 lbs (4.85 kg)

Technical Data according to IHF-T-200, 1975 IEEE Std. 185, 1975

Tuning range:	87.5 – 108 MHz
Usable sensitivity:	Mono 1.1 μ V/75 ohm
50 dB quieting sensitivity:	Mono 2 μ V/75 ohm Stereo 20.0 μ V/75 ohm
Signal-to-noise ratio:	Mono 82 dB Stereo 78 dB
Muting threshold:	15 μ V/75 ohm
Muting hysteresis:	15 dB
Stereo threshold:	1 μ V/75 ohm
Frequency response:	Mono +0.5 dB – 1 dB Stereo +0.5 dB – 1 dB
Distortion at 50 dB quieting:	Mono 0.2 % Stereo 0.3 %
Distortion at 65 dBf (0.5 mV/75 ohm at 1 kHz):	Mono 0.15 % Stereo 0.15 %
Distortion at 65 dBf	Stereo 0.4 %
Intermodulation distortion:	Mono 0.2 % Stereo 0.2 %
Capture ratio, selectively measured:	1.0 dB
Adjacent channel selectivity \pm 200 kHz:	14 dB
Alternate channel selectivity \pm 400 kHz:	> 100 dB
Spurious response ratio:	> 90 dB
Image response ratio, balanced:	> 100 dB
RF intermodulation:	> 70 dB
AM suppression ratio:	> 70 dB
Stereo separation (60 Hz to 10 kHz, selectively measured):	> 45 dB
Subcarrier product ratio:	70 dB
19 kHz suppression:	70 dB
38 kHz suppression:	100 dB
Center LED on:	20 dBf
Signal LED on:	30 dBf

Specifications are subject to change without notice.

YOUR AUTHORIZED TANDBERG REPRESENTATIVE:

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