

PT-7

Intonation Trainer / Tuner



The Tascam PT-7 is a unique tool enabling musicians to comfortably practice singing or playing variable-pitch instruments in order to improve their intonation. It combines a high-speed chromatic tuner with metronome and a digital audio recorder to capture a training session and review the results. The detected pitch is displayed on a large LC display during recording or playback. Or the unit can be used without the recording feature as a metronome or as a simple but fast tuner.

With the PT-7, you can instantly record about 20 minutes of your training session in high quality. Watch your intonation directly on the display while recording your performance or while playing back what you just recorded. You can even play back your performance with corrected pitch according to the selected scale! Use the internal loudspeaker for playback or use your own amplifier or headphones and activate the Loop and VSA functions to further examine your performance.

The tuner section offers nine musical scales with calibration while the metronome is able to play from 30 to 300 bpm in one of six time signatures. Tempo can also be set by a tap function and all the settings and readings are clearly visible on the large backlit display.

If you want to hone your musical skills to perfection – the PT-7 might be the right tool for you.

Main Features

- **High-speed tuner**
 - **8 musical scales (12-note equal temperament, Pythagorean, Mean Tone, Werckmeister III, Kirnberger III, Kellner, Vallotti, Young)**
 - **Calibration function**
 - **Oscillator tone output**
 - **Metronome**
 - **30–300 bpm**
 - **Tap mode to set tempo by tapping on a key**
 - **6 time signatures (0-7 beats, duplets, triplets, shuffle, quadruplets, quadruplets without center beats)**
 - **Trainer section**
 - **Audio recording with internal microphone**
 - **External input for microphone or other source**
 - **Internal flash memory (about 20 minutes recording time)**
 - **Input gain switchable Hi/Lo**
 - **Automatic Gain Control function**
 - **High-speed chromatic tuner (pitch displayed on LCD in real time)**
 - **Playback recorded sound with pitch correction according to selected musical scale**
 - **Loop function to play a section repeatedly**
 - **Variable Speed Audition function to change playback tempo without changing the key**
- General**
- **Built-in loudspeaker (switchable on/off)**
 - **Phones output**
 - **Large, clearly readable LC display**
 - **Flip stand on rear side**
 - **Powered by one AA battery or optional PS-P520 power adapter**

Specifications

Audio inputs and outputs	
Microphone input (for a contact microphone)	6.3-mm standard jack
Nominal impedance	220 Ohm
Nominal input level	-29.1 dBV

Headphones output	3.5-mm stereo mini jack
Maximum output power	>15 mW + 15 mW (THD+N <0.1 %, 32 Ohm)
Built-in speaker, output power	0.4 mW (1 kHz, THD+N 1% or less)

Power supply and other specifications

Power requirements	1 AA battery, or optional AC adaptor (PS-P520)
Battery life (alkaline battery)	
Tuner	12 hours or more (backlight off, pitch A input continuously)
Recording	8 hours or more (backlight off, recordings erased when the memory becomes full and recording then restarted) Battery life may vary depending on the operating conditions.
Power consumption	1 W (backlight on, with optional AC adaptor PS-P520)
Weight (without battery)	0.125 kg
Operating temperature range	5–35 °C
Dimensions (W x H x D, excluding projections)	150 mm x 18 mm x 64 mm

Design and specifications subject to change without notice.

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