

## TC-1S

### Solar Rechargeable Tuner



The TC-1S is the first solar-powered tuner on the planet. A bank of solar cells on the front panel charges the included battery even at room light levels, and a USB input is also available for quick-charging when you're completely in the dark. The tuner is wrapped in a shock-proof silicon cover that's available in six colours and keeps the unit protected.

The TC-1S has a built-in microphone as well as a standard jack input for guitar and bass tuning. Ultra-fast pitch detection is shown on a wide bargraph display for instant feedback. Four display modes are available, including strobe tuning animation and a fine setting for 1-cent accuracy. The tuner can be calibrated to an external source such as a piano or other hard-to-tune instrument.

Included with the TC-1S is a nylon strap and clip. Snap it to your guitar or bass gig bag and you will have it ready all the time.

#### Main Features

- **Compact chromatic tuner powered by solar rechargeable battery**
  - Battery is charged by built-in solar cells (even at room light)
  - No need to buy a battery
  - Additional quick charge option via USB connector (for charging only)
  - Up to 6 hours operation time with fully charged battery
  - Auto power-off after 5 minutes
- **Easy and accurate tuning through wide pitch bar display**
- **Additional note indication display with sharp (#) and flat (b) symbols and battery indicator**
- **12-note equal temperament scale**
- **Four tuner display modes**
  - Meter: Pitch is indicated by bars on the meter scale
  - Needle: Pitch is indicated by three bars on the meter scale
  - Fine: Double precision on the meter scale
  - Animated strobe: Pitch is indicated by a strobe effect to allow tuning more intuitively
- **Pitch display resolution in fine mode: 1 bar = 1 cent**
- **Calibration in a range of 438–447 Hz (in 1-Hz steps)**
- **Removeable silicon cover for extra protection (available in six colours: black, white, pink, orange, green, blue)**
- **6.3-mm mic/guitar input**
- **Built-in microphone for acoustic instruments**
- **Includes strap and clip for attaching to a bunch of keys or to an instrument case**

#### Specifications

Functions	
Tuning	12-note equal temperament
Detection range	A0–C8 (27.5–4186.010006 Hz)
Display modes	Meter, animated strobe, needle, fine

Calibration range	437–446 Hz, 1-Hz intervals
Detection accuracy	1 cent (A = 440 Hz)

### Audio inputs

Input	Built-in mic, omnidirectional, mono 6.3-mm standard mono jack for instrument or microphone
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### Power supply and other specifications

Power	Manganese lithium rechargeable battery, recharged by built-in solar panel or USB connection
USB connector	Mini-B type (only for charging the battery)
Continuous battery operation time	Approximately 6 hours (with "A" pitch continuously input; actual time depends on operating conditions)
External dimensions (W x H x D)	96 mm x 18 mm x 40 mm (excluding silicon protection)
Weight (without batteries)	0,051 kg
Operating temperature range	5–35 °C
Included accessories	Strap with clip, Owner's Manual

Design and specifications subject to change without notice.

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