

# ARTEC<sup>®</sup> ACT-300 TUNERS Clip Tuner

## User's manual

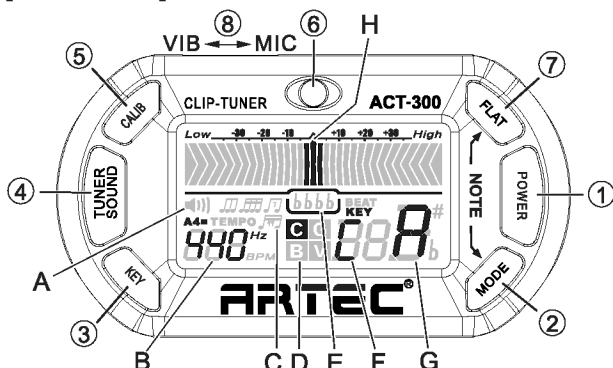
Thank you for choosing ACT-300 Micro Clip Tuner. Please read the user's manual carefully before using this product, and operate the product according to the manual. Please keep this manual for later reference.

### ▲ CAUTION

- Do not open the casing for any reason as this may cause short circuit or malfunction of the product.
- Do not apply excessive force to the products. In the event of the product suffering breakage, be careful not to damage yourself with the broken pieces.
- Do not put in any liquid nor foreign object.
- Keep unit away from dust, extreme temperatures and humidity.
- When the unit is not in use for a long period of time, remove the battery to prevent leakage.

ACT-300 micro clip tuner has been constructed using state-of-the-art technology and the finest materials. The circuitry has been tested for reliability by our staff of qualified technicians under performance conditions. Simple care and maintenance will provide long life. The unit is powered by a CR2032 (3V) lithium battery. When the back light on LCD or LED indicator light becomes weak in color, replace the battery in order to achieve the best tuning results from Micro Clip Metro-Tuner.

## Operation panel & Function instruction



- |                                                  |                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------|
| ① Power switch                                   | ② Mode button (M),<br>Note button (NOTE) -downward              |
| ③ Key button (KEY)                               | ④ VOLUME                                                        |
| ⑤ Calibration button (CALIB)                     | ⑥ LED Light                                                     |
| ⑦ Flat button (b),<br>Note button (NOTE) -upward | ⑧ Vibration sensor or microphone<br>selecting switch (VIB/MIC). |

## ■ OPERATING PROCEDURE

Keep Pressing button ① for 2 seconds to turn on the power, you can press it again to choose the mode for Tuner, Metronome and Tone generator. Keep pressing the button for 2 seconds again to turn off. The power will be turned off automatically 3 minutes later if the unit has been left unattended.

### • Tuner

1. Turn on it and press ① to choose the mode of tuner.
2. Select either vibration tuning or microphone tuning. Set switch ⑧ to left, it's vibration tuning, the otherwise is microphone tuning. The vibration sensor provides tunings with no influence of surrounding noise.
3. Select any one of Chromatic (C) / Guitar (G) / Bass (B) and Violin (V) with mode button ② according to the instrument to be tuned. The selected mode is indicated at position D.
4. In the case of Chromatic (C), select a tuning scale with button ③. Four kinds of scale, namely, C, Bb, Eb and F major scale can be selected. The result of selection is indicated at position F.  
\*Guitar (G) and Bass guitar (B) are set on the C-scale. It cannot be changed.

5. Set the standard tuning or a flat tuning with button ⑦. Each time pressing the button, half tone=b, two half tone=bb, three half tone=bbb and four half tone=bbbb are sequentially indicated at E position.  
\* Absence of b indication shows the standard tuning.
6. For changing calibration (reference pitch): Press button ⑤, reference pitch can be varied within the range of 430Hz~450Hz with 1Hz step of increment. Leaving the button pressed causes automatic increment. Result is indicated at position (B).
7. When a music instrument is played, the note name of the sound is indicated on the screen. Adjust the music instrument to get a desired note name on the screen. When the sound is high or low, the needle is not in the middle and the LED light is red. Correct tuning is when LED light turns to green and the needle is in H position.

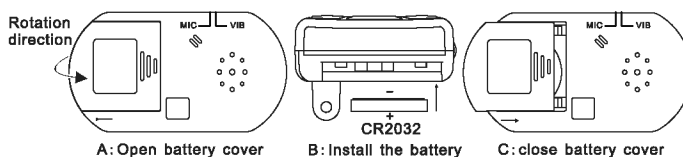
### • Tone generator

1. Select the tone generator mode by button ①
2. select the volume by button ④. the volume have four choice, big volume, middle volume and mute, the result is indicated at position A of LCD.
3. Select a tuning scale with key button ③, and the result of selection is indicated at F position, four kinds of scales, namely C, Bb, Eb and F major scales can be selected. usually, the C major scale is used for tuning guitar, etc.
4. For changing calibration (reference pitch): press button ⑤ reference pitch can be varied within arange of 430Hz~450Hz with 1Hz step of increment, leaving the button pressed causes automatic increment result is indicated at position (B).
5. Note is raised is by pressing button ⑦ and lowered by pressing button ② selecte you desirde note when it is in dicated at position G.

**Caution:** Be sure to dismount the unit from the instrument after tuning is finished. If the unit is left attached for a long time, there is the threat of damaging the surface of instrument.

### • Battery replacement

The LCD display becomes dark as the battery life decreases. Be sure to cut the power supply and replace the button battery CR2032 with new one. Take care not to confuse its polarities. When the unit is not used for a long time, remove the battery from the unit.



## ■ SPECIFICATIONS

Power source	: Button battery CR2032 (3V) 1 piece
Automatic power of	: Power is cut off after the unit is left unattended for about 3 minutes
Display	: Backlight LCD display
Tuning mode	: Chromatic, Guitar, Bass, Violin mode.
Measuring range	: A0(27.5Hz)~C8(4186.0Hz)
Measurement accuracy	: ±1cent
Calibration range	: A4=430Hz~450Hz
Tuning scale	: C major, Bb major, Eb major, F major
Flat tuning	: 1~4 semitones
Assist indicator	: 1LED TUNE=green b, #=red
Sound detection	: Vibration sensor, built-in microphone
Tones generated	: E1(41.2Hz)~A5(880.00Hz)
Volume	: big, middle, small, mute.
Dimensions tuner body	: 60 (W) x 33 (H) x 22 (D)
Weight	: Approx. 41g