

# Harley Benton

CPT-20

## Quick start guide

This document contains important information on the safe use of the product. Read and follow the safety instructions and all other instructions. Keep the document for future reference. If you pass the product on to others, please include this document.

Contents are subject to change. Please refer to the latest version of the documentation, which is available for download at [www.thomann.de](http://www.thomann.de).

## Safety instructions

### Intended use

This device is used for the tuning of musical instruments. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damage resulting from improper use.

This device may be used only by persons with sufficient physical, sensory, and intellectual abilities and the necessary knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.



### Risk of injury and choking hazard for children!

Children can suffocate on packaging material and small parts. Children can injure themselves when handling the device. Never allow children to play with the packaging material and the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision. Keep small parts away from children and make sure that the device does not shed any small parts (such as knobs) that children could play with.



### Risk of death from electrical current!

The device contains parts where high voltage is present. Never remove any covers. There are no user-serviceable parts inside the device. Do not use the device if covers, safety equipment or optical components are missing or damaged.



### Damage to the device if operated in unsuitable ambient conditions!

The device can be damaged if it is operated in unsuitable ambient conditions. Only operate the device indoors within the ambient conditions specified in the "Technical specifications" chapter of this user manual. Avoid operating it in environments subject to direct sunlight, heavy pollution and strong vibrations. Avoid operating it in environments with strong temperature fluctuations. If temperature fluctuations cannot be avoided (for example after transport in low outside temperatures), do not switch on the device immediately. Never subject the device to liquids or moisture. Never move the device to another location while it is in operation. In environments with increased dirt levels (for example due to dust, smoke, nicotine or mist): Have the device cleaned by qualified specialists at regular intervals to prevent damage due to overheating and other malfunctions.

### General handling

To prevent damage, never exert force while operating the device. Never immerse the device in water. Wipe only with a clean and dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents

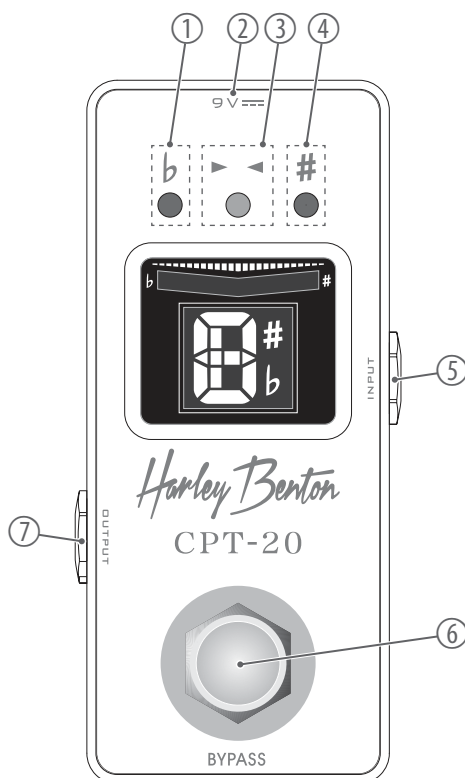
### Keep foreign substances away from the device!

Keep the device away containers with liquid. If any liquid penetrates the device, this could destroy the device or cause a fire. Ensure that no metallic parts enter the device.

## Features

- Chromatic floor tuner for a wide range of applications
- Brushed metal
- LED/LCD display for easy readability of the exact measurement results
- "True Bypass" wiring for completely undistorted signal routing

## Connections and controls



- 1 [b] | LED for flat notes
- 2 [9V] | Connection for the power supply
- 3 [▶◀] | LED for notes with correct tuning
- 4 [#] | LED for sharp notes
- 5 [INPUT] | Input connection, designed as 6.35 mm jack socket
- 6 [BYPASS] | "True Bypass" switch for activating the tuning function
- 7 [OUTPUT] | Output connection, designed as 6.35 mm jack socket

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### Operation

1. Connect the instrument cable to the input jack [INPUT].
2. Connect the cable of the optionally available power supply to the DC 9 V socket.  
⇒ The device is in bypass mode.
3. Press the [BYPASS] switch to activate the tuning function.
4. Connect the rest of the signal chain to the output jack [OUTPUT].

### Technical specifications

Input connections	Power supply	DC 9 V socket
	Audio signal	1 × 6.35 mm jack socket
Output connections	Audio signal	1 × 6.35 mm jack socket
Frequency range	A (27.5 Hz)...C (4,168 Hz)	
Accuracy	±1 cent	
Power supply	External power adapter, 100 - 240 V ~ 50/60 Hz	
Operating voltage/current	9 V $\overline{=}$ / min. 33 mA, polarity: Centre negative	
Dimensions (W × H × D)	46 mm × 49 mm × 95 mm	
Weight	112 g	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	20%...80% (non-condensing)



#### Disposal of the packing material

Environmentally friendly materials have been chosen for the packaging. These materials can be sent for normal recycling. Ensure that plastic bags, packaging, etc. are disposed of in the proper manner. Do not dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the instructions and markings on the packaging.



#### Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) as amended.

Do not dispose of your old device with your normal household waste; instead, deliver it for controlled disposal by an approved waste disposal firm or through your local waste facility. If in doubt, consult your local waste management facility. You can also return the device to a retailer if they offer to take the device back for free or if they are legally obliged to do so. When disposing of the device, comply with the rules and regulations that apply in your country. You can also return your old device to Thomann GmbH at no charge. Check the current conditions at [www.thomann.de](http://www.thomann.de).

Proper disposal protects the environment as well as the health of your fellow human beings. This is because the proper handling of old devices negates the potential negative effects of hazardous substances, and because it conserves resources by recycling them.

Also note that waste avoidance is a valuable contribution to environmental protection. Repairing a device or passing it on to another user is an ecologically valuable alternative to disposal. For example, use the Thomann GmbH classified ads. If your old device contains personal data, delete those data before disposing of it.



Observe the disposal note regarding documentation in France.