

# Celcius 47

## Features

Weight: 2.5 pounds = 1.14 kg  
Size: 4 ½ x 4 ½ (115 mm x 115 mm) x 2 ¼" (57 mm) high  
Input power: 100-240 VAC 1 amp  
UL and CE listed  
Temperatures: Factory calibrated to 47° C (117° F)  
User calibratable from 27° C (81° F) to 70° C (158° F)  
Time to Operating Temperature: 1 minute  
Temperature tolerance: +/- 1° C (2° F)

The Celcius 47 from Horotec is a tool for the purpose of testing watches for leakage after wet pressure testing. The watch is heated to a temperature of 47° C and a drop of room temperature water is placed on the crystal. If the watch has leaked condensation will form on the underside of the crystal.

The required precise temperature is obtained through a proprietary solid-state temperature control system that allows for fast heat up and extremely precise temperature control. The power supply is UL and CE listed and can be used in both 110 volt and 240-volt applications. The factory-calibrated temperature of 47° C can be changed by the user anywhere between 27° C and 70° C, although 47° C is the perfect temperature not only for testing for condensation but for drying metal watch bands and cases.

Use: Plug the power supply into an AC source between 100 and 240 volts. Plug the output of the power supply into the back of the Preciso 47. Turn on the heater with the switch located on the front left hand side of the panel. The red LED will glow indicating the unit has power. The Preciso 47 is factory calibrated to 47 ° C (117° F). The user may change the temperature by inserting a 2 mm watchmaker's screwdriver in the calibration hole on the bottom of the tester and rotating the trimpot. If too high a temperature is selected, the red LED power light will cycle on and off.