

USER MANUAL

RAPID INCINERATOR

PCE-UX 052

ENGLISH



User manuals in various languages (français, italiano, español, português, niederlands, türk, polski) can be found via our product search on:
www.pce-instruments.com

FUNCTION

This unique rapid incinerator was developed as a cost-effective alternative to kilns. It allows you to incinerate and ash single samples quickly and efficiently.

The Operation of the device is very easy. After placing the sample in the sample bowl in the preheated incineration chamber, the radiator is swung into position to start the ashing process.

The maximum temperature of approx. 610 °C can be preselected in the menu. Two heating stages are available with 2 different powers and times. Depending on the type of material to be incinerated, the typical ashing time for a 5 g sample generally is between 8 and 15 minutes.

The PCE-UX 052 incinerator comes with an electronic with LCD display and 4 switches for the menu and the times and power settings. The heating time is shown in the display and stage 2 follows automatically when stage 1 is ready. At the end of the process the heater is switched off. A light and a signal shows when the device is in use.

USE

This infrared rapid incinerator is used particularly in conjunction with PCE-UX laboratory devices to determine the incineration residue in sewage sludge after the determination of dry matter.

The PCE-UX 052 is useful in every laboratory where a fast incineration of single samples of organic materials is needed. To determine the dry matter and residue on ignition in sewage sludges, we offer the moisture tester PCE-UX 3011 G in combination with the incinerator PCE-UX 052.

NOTE

Because noxious and/or malodorous fumes are likely to be emitted during the calcination or ashing process, we recommend that you use the PCE-UX 052 rapid incinerator in a protection cabinet.

TECHNICAL DATA

Power supply	230 Volt, 50 ... 60 Hz
Other voltages with separate transformer	
Radiator power	375 W
Temperature range	up to approx. 610 °C
Temperature setting	electronically, 2 steps possible
Time setting	electronically, 2 steps possible up to 99 min. per stage
Sample volume	max. 130 cm ³ (aluminium pan)
Max. bowl size	Ø 75 mm x 30 mm height
Dimensions	Height 180 mm Width 190 mm Depth 350 mm
Weight	ca. 4.0 Kg

ACCESSORIES AVAILABLE UPON REQUEST

Item	Order. No.
Aluminium foils 0.03, Ø 130mm	1000017
Foil press to shape the aluminium foils	1000062

DISPOSAL

For the disposal of batteries in the EU, the (EU) 2023/1542 directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose. In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law. For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations. If you have any questions, please contact PCE Instruments.

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