

# ASH CONTENT ANALYSER FOR PLASTICS

PCE-ACA 50



- » **measures according to ISO 3451 and GB / T9345.1-2008**
- » **8-inch capacitive touch screen**
- » **cylindrical heating chamber**
- » **programmable temperature control**
- » **high-temperature heating rod**
- » **heating time display**

The ash content analyser for plastics is mainly used to determine the ash content of plastics. The device can intelligently control time and temperature in the individual sections of the heating process. It is suitable for determining the ash content in polyethylene, polypropylene and polybutene plastics.

The ash content of plastic samples (plastics, plastic composites) is accessible as a mass or mass fraction after direct annealing of the sample. The sample is burnt by the ash content analyser for plastics at high temperatures. Subsequent annealing ensures that the combustion residue has been completely converted into ash that cannot be burnt any further.

The ash content analyser for plastics supports tests in accordance with the international standards ISO 3451 and GB/T9345.1-2008. Equipped with a modern 8-inch capacitive touch screen, the ash content analyser for plastics enables intuitive operation and a clear display of the measurement results. The cylindrical heating chamber ensures an even distribution of the temperature, which leads to particularly accurate measurements. Thanks to the programmable temperature control, the heating process can be flexibly adapted to the specific requirements of the respective test. A high-temperature heating rod ensures that the required temperatures are reached quickly and kept constant.

## Specification

### Temperature

Measurement range up to 5 ... 1000 °C

Resolution 0,01 °C

Accuracy ±5 °C

### General technical data

Display type Touch screen

Display size 8 Inch

Standard(s) GB/T9345.1-2008, ISO3451

Sensor K-type

Dimensions Heating chamber: Ø60 x 160 mm

Menu language English (GB), English

Protection class (device) IP20

Power supply 220 V AC | 50 ...60 Hz

Connector type Schuko plug

Weight 14,4 kg

Operating conditions -20 ... 50 °C , 0 ... 50 % RH

Storage conditions -20 ... 50 °C , 0 ... 50 % RH

Dimensions ( L x W x H ) 380 x 260 x 500 mm