# 10-212-000 Ignition Temperature Tester for determining the ignition temperature of flammable liquids and gases

## Standards

DIN 51 794 (similar to) – DIN EN 14522

## Application

Determination of the ignition temperature of flammable liquids and gases for the assessment of the hazard potential of these substances.

## Features

The device is equipped with a touch screen for setting and displaying the experimental parameters and guides the user step by step through the measurement sequence (Predeterminition, Method S and Manual Determinition).
By means of an active temperature control, consisting of ceramic heating elements and automatic air cooling, it is possible to realize very short test times. For a complete measurement (Predetermination ~ 1:00 h, Method S ~ 1:35 h) of the ignition value of n-heptane less than 3 hours are required. The device has very good reproducibility by automatic detection of the ignition temperature and indication of the ignition delay time. It also has a mounted automatic blow-out device for the test piston.

## Technical Data

| | |
|---|---|
| Temperature Range | 65 – 650 °C |
| Test Duration | approx. 3 hours (n-heptane) |
| Test Modes | Predetermination, Method S, Manual Determination |

## Dimensions and Connection

| | |
|---|---|
| Dimensions (WxDxH) | approx. 76 x 62 x 24 cm (Control Box),<br>approx. 46 x 36 x 73 (100 upper position) cm (Test Unit) |
| Weight | approx. 20 kg (Control Box), approx. 49 kg (Test Unit) |
| Mains | 3 ~ 400 V AC, 50 Hz, 16 A CEE Plug |
| Power | 3500 W |
| Interfaces | Ethernet |
| Air supply | Compressed Air, 3 to 8 bar |

**Partlist**

| Item no. | Description |
|---|---|
| 10-212-000 | Ignition Temperature Tester |
| 10-212-001 | Ignition Sensor |
| 10-212-002 | Sample Sensor |
| 10-212-003 | Software for Ignition Temperature Tester |
| 10-212-004 | Erlenmeyer flask, 200 ml, (10/pack) |