



**Tony International (HK) CO., LTD**

东尼仪器  
TONY INSTRUMENTS

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## **TW-225 BS 4569/EN71 Surface Flammability Tester**



Model:     TW-225

## I. Introduction

一、 Purpose: This instrument is used in the examination down or the superficial knowledge fabric's flammability.

二、 Principle: Butane burner is traversed across the face of the fabric to determine whether surface flash occurs and to record any damage to the base fabric.

三、 Applied standards: The instrument manufactured according to BS 4569 or EN71-2 standard.

## II. Instrument description

### 一、 physical construction:

#### 1. physical construction: (figure 1)

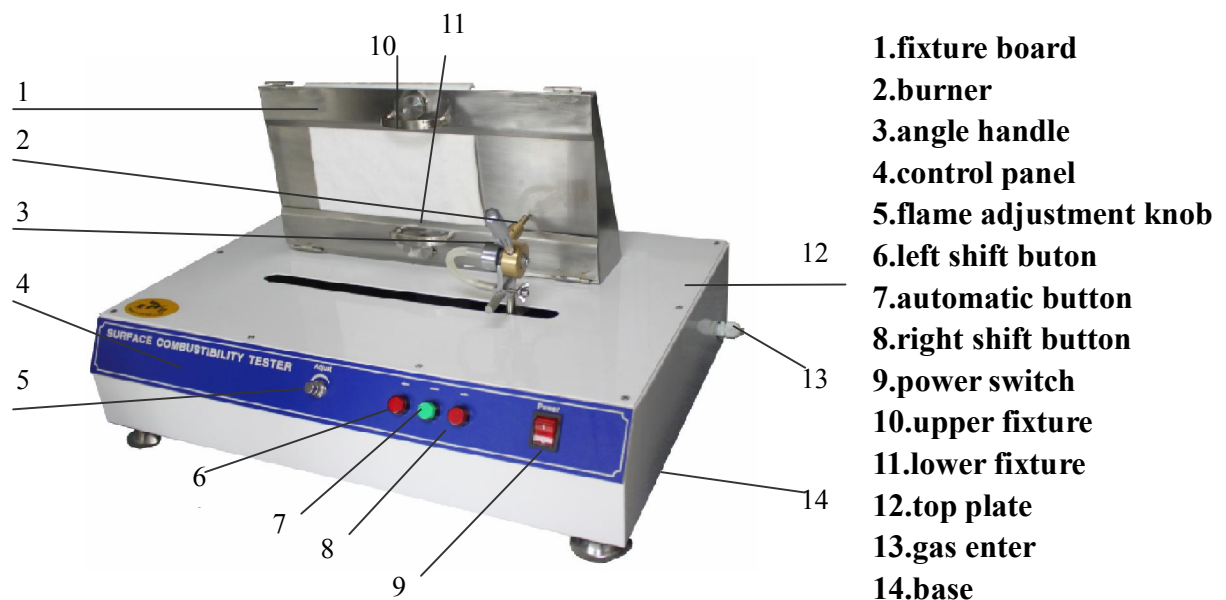


Figure 1

#### 1. 2. function description:

- fixture board and the fixtures: sample holder, easy and fast to clamp the test sample.
- burner: used to produce the required flame
- angle handle: used to change the burner direction (horizontal and vertical)
- flame adjustment knob: used to adjust the flame burning altitude
- left shift button: move the burner to left direction manually
- automatic: press this button to make the burner travelling the stroke automatically

- right shift button: move the burner to right direction manually
- power switch: power on or power off
- gas enter: burning gases connection

## 二、 Technical parameters (Table 1):

items	specification
fixture length	400mm
burner move speed	150±5mm/s
burner stroke	≥300mm
fabric plush altitude	70mm
Space between two fixtures	100mm
sample dimension	length 200mm,width≥130mm,
sample amount for test	2 pcs
space between burner and sample surface	5mm
space beteen burner center to lower fixture	15mm
burning gases	butane gas
size(WxDxH)	60x41x32cm
weight(Kg)	≈20Kg
power	1 φ AC 220V 5A

Table 1