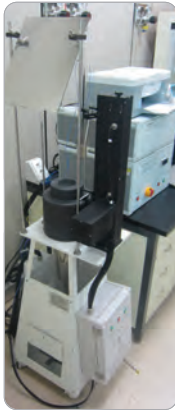
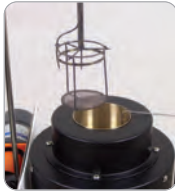


Non-combustibility Tester

불연재료 난연성능 시험기, NC-502, ISO 1182, KS F ISO 1182



Introduction

Non-Combustibility Tester measures incombustibility and combustibility of uniform building material and non-uniform building material of actual element.

The evaluations (results) are rising temperature in the furnace, basic mass loss and ignition of specimen.

The only FESTECC's Non-Combustibility Tester fully satisfies KS F ISO 1182 and ISO 1182 as international standards in the same time.

This equipment uses module type temperature controller to be stable over 60 minutes in the furnace condition of $750 \pm 5^\circ\text{C}$ and meets precise test result.

And another advantage is the automatic up-down specimen movement device for accurate results as well as user-friendly process. Thus, it doesn't matter who is test-users.

RS 232C communication and Data Acquisition Board is able to be accurate Interface of test values, so user can test the whole function and test by PC easily and automatically.

Standard

- ISO 1182 : Reaction to fire tests for building products - Non-combustibility test
- KS F ISO 1182 : Method of non-combustibility test of building products

Feature

- Single Zone Furnace operable at up to 900°C with the NIKROTHAL Ribbon Heater
- $750 \pm 5^\circ\text{C}$ temperature auto control with TPR
- Furnace facilitating maintenance and replacement
- Up/down automatic moving system for correct positioning of test sample and user's convenience
- Mirror to observe the ignition quality of test sample
- RS 232C communication and DAQ Board-adopted interface
- Auto testing by DAQ Board and PC
- Alarm temperature-based over current shut-off system for user's safety
- Software to print out reports based on exact data result and each standard

Test Result

- Mass Loss (g) and Rate(%)
- Ignition Time (s) and Sustained Flaming (s)
- Initial & Maximum Furnace Temperature($^\circ\text{C}$)
- Final Furnace Temperature($^\circ\text{C}$)
- Maximum Specimen Center Temperature($^\circ\text{C}$)
- Final Specimen Center Temperature($^\circ\text{C}$)
- Furnace Temperature Rise($^\circ\text{C}$)
- Specimen Center & Surface Temperature Rise($^\circ\text{C}$)
- Differential Test Result by Standards
(ISO 1182:1990, KS F ISO 1182: 2004, IMO FTP Code Pt.1: 1998, KS F 2271: 1998)

Specification

Model	FT-NC-502
Size	400 × 330 × 1,650
Size(Table)	1,500 × 600 × 800
Power	AC 220V, 50/60Hz, 15A
Weight	160kg
Exhaust	Min. 0.05 m ³ /min
Utilities	Hood, Duct, Dust Collector