ATI

ADVANCED TESTING INSTRUMENTS

COLOR FASTNESS
TESTING INSTRUMENTS

TF417 GAS FUME CHAMBER

TF417 GAS FUME CHAMBER

Gas Fume Chamber, is to determine the burnt gas fume color fastness of textiles when exposed to atmospheric oxides of nitrogen derived from the combustion of gases.

A specimen of the textile and the test control fabric are exposed simultaneously to oxides of nitrogen from burnt gas fumes until the control shows a change in color corresponding to that of the standard of fading. The change in color of the specimen is assessed with the standard gray scale for assessing change in color.

Includes testing chamber, burning and control chamber, rotating sample rack, standardised gas burner, test duration timer and exhaust port (to be connected to extractor system). Temperature can be set digitally on the touch panel, and controlled automatically by the closed-loop PLC system.

The unique design of gas fume chamber ensures safety of operate and the chamber, automatic ignition at the start or, if the burner distinguished during the test, maybe in the midnight; gas leakage detection device ensures the igniter will not be activated if gas detected, the fan on the top will start to ensure the safe of operation.

SPECIFICATION

- Control system: PLC
- Display: touch panel
- Temperature system: closed-loop controlled, programmable
- Ignition: automatic (start to test or distinguished)
- Gas leakage protection automatic
- 18 samples can be test simultaneously

STANDARDS: AATCC 23, ISO105-G02, BS EN ISO 105-G02

POWER: 220 / 110 V 50 / 60 Hz

WEIGHT: 100 kg

DIMENSIONS: 780 x 600 x 800 mm (L x W x H)