

Auto Blaine Apparatus

Code: 38-1100/01
Standards: ASTM C204, BS: 4359

Overview

The ELE Auto Blaine Apparatus is a fully automated system designed to determine the fineness of cement, plaster, and other powdery materials. With its integrated touchscreen interface and precision sensors, the system offers error-free, repeatable test results by automating all steps in accordance with international standards. Designed for both standalone and PC-controlled modes, it simplifies operations while ensuring high accuracy, even under varying ambient conditions.

Features

- **Touch-based operation** with 7" resistive TFT screen (800 × 480 resolution)
- **Automatic liquid column control** for accurate measurement
- **Temperature monitoring** using built-in Pt 100 probe
- **Photoelectric sensors** for upper/lower mark detection
- **Data logging and USB export** of results
- **User-level access control** (Supervisor vs Operator)
- **Built-in correction algorithm** with variation in temperature
- **Works standalone or with Blaine software on PC**
- **Reports exportable** in .CSV/Excel format by user/date/type
- **Removable Door** for easy cleaning
- **Rigid frame** and strong body for testing equipment



Specifications

Parameter	Details
Power Supply	220V, 50Hz, 1 Phase AC
Display Size	7" TFT, 16:9, Colour Screen
Display Resolution	800 × 480
Touchscreen	Resistive
Brightness	200 Cd/m² typical
Operating Voltage for Sensors	10–30 VDC
Interface	USB / Serial
Operating Modes	Standalone or PC Controlled
Data Output	USB port export, .CSV format
Temperature Sensor	Pt 100
K-Factor Configuration	User programmable

Alternatives / Spares

Manometer U-Tube	38-1000/10
Blaine Air Permeability Cell	38-1000/15
Perforated Disc	38-1000/17
NBS – Srm Reference Cement 5 Grams	38-0645
Filter Paper Equivalent to Whatman No 40 12.7mm Dia. Box of 100	38-0650
Filter Paper Equivalent to Whatman No 40 12.7mm Dia. Box of 1000	38-0655
Pure Mineral Oil 1Litre Bottle	38-0620