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BRANCH ADDRESS

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COSMETIC TESTING EQUIPMENTS

DIGITAL PAY-OFF TESTER FOR LIPSTICK

The instrument made on a horizontal platform. There is a gear motor fixed on the platform; the gear motor is connecting to the driving roller. When the motor rotates the roller pull the paper strip. The paper strip passes through a horizontal platform. There is a cylindrical tube arrangement for putting lipstick under test. The location of the lipstick will be above the horizontal platform.



Specifications

- ✓ Timer Display: Digital
- ✓ Load on the lipstick with lipstick: 50 gm
- ✓ Easy to use

Standards:

IS 9875 : 1990

DIGITAL BREAK LOAD TESTER FOR LIPSTICK

Lipstick break load testing is a method used to measure the maximum load a lipstick can bear before it breaks. This test is crucial for ensuring the durability and quality of the product.

'TBG' instrument have sample holding grip arrangement and there is an arrangement for compression loading on the test specimen. The compression loading arrangement has the movement with the help of the motor, gear box, and screw mechanism. There is a load cell attached to the loading probe which sense the load and display on the digital display.



Technical Data

Capacity : 5 kg
Least count: 0.001 kg
Motor : 1/4 hp, single phase induction
Gear box : worm reduction type
Grip : Adjustable

Features

Adjustable Grip
Peak Hold
Automatic and Manual Operation
Overload Protection

Standard

IS 9875-1990

LIPSTICK MELTING & BOILING POINT APPARATUS

The Lipstick Melting & Boiling Point Apparatus is used to determine the melting and boiling points of lipstick, which are crucial for ensuring product stability and quality. These tests are vital for manufacturers to ensure that their lipsticks maintain their integrity and performance under various conditions.



Technical Specifications

- ✓ Controller: Microcontroller Based
- ✓ Heating Media : By Silicon Oil
- ✓ Temperature Range: +5°C above ambient to 300°C
- ✓ Readability : 0.1°C
- ✓ Magnetic Stirrer : Built-in with soft touch Key speed controller
- ✓ Melting Capillary Port: Three
- ✓ Boiling Tube: One
- ✓ Sample Filling Height :4 to 6mm
- ✓ Viewing of Melting Capillary: 10x Magnifying Glass
- ✓ Display: 128 x 64 Graphical Display
- ✓ Power Supply:230VAC +10%, 50Hz

Accessories

- ✓ Capillary tube for melting point 100 nos.
- ✓ Boiling Point Tube 2 nos.
- ✓ Magnetic Stirrer 1 nos.
- ✓ Glass Beaker for silicon oil
- ✓ Silicon Oil Bottle
- ✓ Teflon covered immersion heater
- ✓ PT100 temperature sensor

SCRATCH HARDNESS TESTER FOR PAINT

APPLICATION:

A scratch hardness tester is a device used to measure the resistance of a material to scratching. It's commonly used in various industries to test the durability and quality of coatings, metals, and other materials.



This is Analog Motorized Scratch Hardness Tester. This is Ideal for testing paint, this model is known for its precision and reliability. This tester is essential for ensuring that materials meet the required standards for hardness and durability.

"TBG" Scratch Hardness Tester is an instrument which is used to verify the surface hardness of paint and varnish coatings with respect to their scratch resistance capacity. These products are available with a test panel, which is clamped driven by constant speed while needle scratches the surface. The instrument is commonly used in laboratories for quality control and experimental purposes for various fields like Paint, Ink, Oil, and Petroleum & Powder Coating Industries.

INCLUDED

Weight Set 7 pieces : 5 kg

COLOUR MATCHING CABINET

TBG Colour Matching Cabinet is used for visual inspection of any colour material like textile, paper, paint, ink, Plastic etc. Standard Light sources are used for accurate testing and inspection. Colour Matching Cabinet is made of Ply Board or MS Sheet as per availability at the time of delivery. This Light Box is also known as Shade Matching Booth.



Technical Specification:

- ✓ All tube lights are operated separately by Electronic Ballast for instant start, power saving and to prevent tube lights.
- ✓ Control panel is ergonomically designed for easy operation.

Light Sources & Colour Temperature

- | | |
|--|-----------|
| • Artificial Daylight Fluorescent Lamps (D - 65) | : 02 Nos. |
| • Artificial Daylight Fluorescent Lamps (D - 50) | : 01 Nos. |
| • Triphosphor Fluorescent Lamp (TL-84) | : 01 Nos. |
| • Ultra Violet Black Lamp (UV) | : 01 Nos. |
| • Cool White Fluorescent (CWF) | : 01 Nos. |
| • Tungsten Filament Light | : 04 Nos |

DIGITAL TORQUE TESTER FOR CAPS CLOSURE

'TBG' Torque Tester is used for Measuring Incremental / Removal torque of closures of Bottles, Jars, Lipstick and cream tubes. Round / Square/ Rectangular /Oval Bottles / Jars can be held.

SPECIFICATIONS

- ✓ Maximum bottle diameter:160mm
- ✓ Torque unit: Kg-cm, Lbs-Inch, N-m
- ✓ Range : 0 ~ 100 Lbs-Inch
- ✓ Least count :0.1 Lbs-Inch
- ✓ Accuracy of full scale : $\pm 2\%$ of Full Scale
- ✓ Power required : 220 VAC, 50Hz

FEATURES:

- ✓ Automatic digital reading output
- ✓ Peak hold provision
- ✓ Digital Display
- ✓ Strong SS grips pins adjustable
- ✓ Internal Calibration.



PULL OUT TESTER FOR FLIP FLOP CAPS / CLOSURE

This Equipment is to check pull out testing. It provides a relatively inexpensive way for determining the pull out force of Bottle Closure / Caps. This is based on constant rate of traverse principle in which one end of the test specimen is held in a grip, while the other end is made to move at a known fixed speed with the help of motor, gearbox and screw arrangement. The load exerted on the stationary grip is sensed by a load cell and indicated by a digital load indicator. The controller is microprocessor based and has the facility of over load protection, peak hold and auto calibration. The load /force directly indicated in kilograms or Newton.



TECHNICAL SPECIFICATIONS

- ✓ Model : TBG- 50POT
- ✓ Capacity : 50 kg
- ✓ Least count : 0.01 kg
- ✓ Accuracy : 2% at Full Load
- ✓ Motor : $\frac{1}{4}$ HP, 1425 rpm, Induction motor
- ✓ Power required : 220/110 V AC, 50Hz, Single phase
- ✓ Feature : Zero, Peak, Over Load, over travel safety, Auto Reverse.
- ✓ Unit Changing Facility (Elongation) : mm
- ✓ Control : Up, Down, Stop (Manual & Semi Automatic)
- ✓ Accessories Included : Standard Grip, Calibration certificate, Operating Manual

MOISTURE ANALYZER (MB-95)

A moisture analyzer, also known as a moisture balance, is a precision instrument designed to measure the moisture content of a substance. This is crucial in various industries, including food, pharmaceuticals, chemicals, and plastics, to ensure consistent quality, safety, and performance.

Here are some key points about moisture analyzers:

Function: Moisture analyzers determine the moisture content by measuring the weight loss of a sample when it is heated and dried. The difference in weight before and after drying indicates the moisture content.

Halogen Moisture Analyzers: Use halogen heating technology for fast and precise results.

Applications:

Moisture analyzers are used in various applications, such as:

- ✓ **Food Industry:** To ensure the moisture content is within acceptable limits for quality and shelf life.
- ✓ **Pharmaceuticals:** To maintain the stability and efficacy of drugs.
- ✓ **Chemicals:** To ensure the correct formulation and quality of chemical products.
- ✓ **Plastics:** To control the moisture content for optimal processing and product quality.



COHESION VALUE TESTER (CV TESTER) FOR CREAM

"TBG" Cohesion Value Tester for cream is a specialized instrument used in the food industry, particularly in quality control, to measure the texture and consistency of cream. It assesses the cohesiveness of cream, which is an important factor that determines its spread-ability, mouthfeel, and overall quality.



Key Features:

- ✓ **Precision Measurement:** Accurately measures the force required to break or deform the cream, indicating its cohesive properties.
- ✓ **User-friendly Interface:** Often comes with a digital display for easy reading and interpretation of results.
- ✓ **Sample Holders:** Customizable sample holders to accommodate different types of cream products.

Specifications:

- ✓ Capacity : 2.000 kg (Model: TBG-2CVT)
5.000 kg (Model: TBG-5CVT)
- ✓ Other Capacities are available on request
- ✓ Least Count : 0.001 kg
- ✓ Digital Display
- ✓ Power : 220 VAC, 50Hz, Single Phase
- ✓ Motorized models
- ✓ Peak Hold
- ✓ Manual & Semi Automatic Operation

OUR VALUABLE CUSTOMERS



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