

Precision Colorimeter



Product Info :

Precision Colorimeter manufacturers and suppliers provide a testing instrument that is offered by Pacorr and is used in a variety of industries for testing the transmittance and reflection of the light and colour from a surface. In a product, the first impression that is made on the customer is through its look and feel. If the look of the products is not good and up to the mark, it depicts the bad quality of the products and hence the manufacturers have a great focus on the look and feel of the products. When it comes to the look of a surface, the colour of the products is one of the most important aspects. In addition to look and feel, the colour of liquids can be used for depicting the constituents and composition of a solution or a compound. These two are tested and measured with the help of colorimeters. The colorimeters can easily be used for ensuring the right colour of the products surface so that it could depict the best quality of the product.

The precision colorimeter uses a coherent light source that throws light on the surface to be tested. The light that is reflected from the surface is received by the light sensor of the colorimeter and then the reflected light is analysed for the components that have been reflected by the surface. This helps in analysing the colour consistency of the products and hence ensures the best colour quality of the products as well.

Pacorr's Precision Colorimeter is one of the most extensively used testing instruments that is used in many different industries and production verticals to test the colour of different products, materials and surfaces. The importance colour is of utmost important in industries such as chemicals, automotive, textiles, dyes, food, paint and coating and so forth.

TECHNICAL DATA :

- Model : Nr110
- Viewing Geometry : 8/d
- Measuring Aperture : \varnothing 4mm
- Detector : Silicon photoelectric diode
- Locating : Illuminating Locating/Cross Locating
- Measurement End Face : Large stable end-face and small concave-convex end-face
- Color Space : CIEL*a*b*C*h* CIEL*a*b* CIEXYZ
- Color Difference Formula : ΔE^*_{ab} ΔE^*_{L*a*b} ΔE^*_{C*h}
- Light Source : D65
- Light Source Device : LED blue light excitation
- Errors Between Each Equipment : $0.80 \Delta E^*_{ab}$
- Storage : 100pcs standards 20000pcs samples
- Repeatability : Standard deviation within ΔE^*_{ab} 0.08 Average of 30 measurements of standard white plate
- Weight : 450g
- Dimension : 205×67×80 mm
- Power source : Rechargeable lithium-ion battery 3.7V@3200mAh
- Lamp Life : 5 years, more than 1.6 million measurements
- Charging Time : 8 hours–100% electricity
- PC Software : CQCS3 Software

FEATURES :

- Highly accurate test results
- Compact size for easy transportation
- Miniature thermal printer comes as optional accessory.

Our Valuable Customer



Pacorr Testing Instruments Pvt. Ltd.