



[www.rhopointinstruments.com](http://www.rhopointinstruments.com)



[sales@rhpointinstruments.com](mailto:sales@rhpointinstruments.com)

**RHOPOINT**  
**NOVO-HAZE** 

### **Novo-Haze TX Transmission Hazemeter**

- Measures total transmission and haze
- Measure to ASTM D1003 (CIE C)
- Suitable for plastic films and other transparent materials

Manufactured by Rhopoint Instruments in the United Kingdom 

# What is transmission haze?



The Novo-Haze TX Transmission Hazemeter quantifies the optical qualities of transparent materials. The two most important aspects are:

## Transmission

The transmission is a measurement of the total amount of light that passes through a material that is influenced by absorption and reflective properties.



In the plastic film industry the transmission measurement is related to the opacity of the material and/or the hiding power of the applied coatings.



## Transmission Haze

The transmission haze is a measurement of the light scattering characteristics of a material. Haze can be due to suspended particles or contaminants within a sample or fine surface texture & contamination.

Haze measurement can be used to quantify optical characteristics of plastics and packaging films.



Viewed through material with low haze

Viewed through material with higher haze

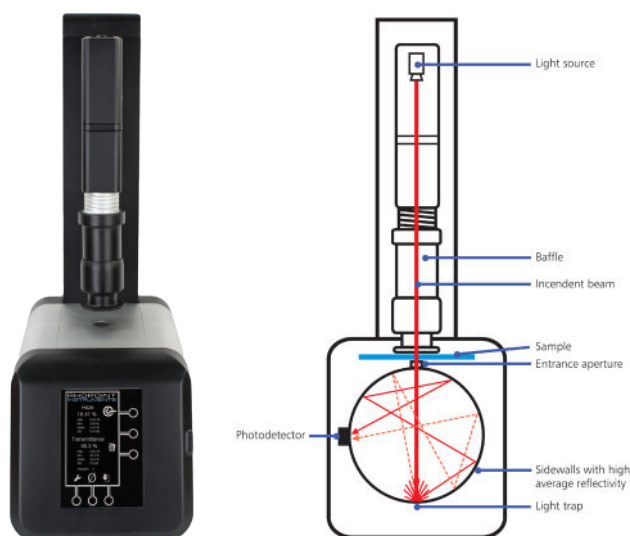
In packaging applications hazy films may reduce a consumer's quality perception as packed products can look cloudy and indistinct. For plastics with haze the visibility of the test material becomes more apparent and the contrast of viewed objects is reduced.

# Novo-Haze TX Transmission Hazemeter

The Novo-Haze TX Transmission Hazemeter offers fast and accurate measurement of the optical quality of plastic films and other transparent materials.

This instrument measures total transmission and haze according to ASTM D1003 (CIE C), the most important standard used in most Quality Assurance (QA) applications.

Manufactured in direct response to industry requirements, the Novo-Haze TX is offered at huge savings compared to other instruments which contain additional superfluous test methods.



Uncompromising design, high quality materials and European manufacture make the Novo-Haze TX the ideal choice for any laboratory or QA environment.

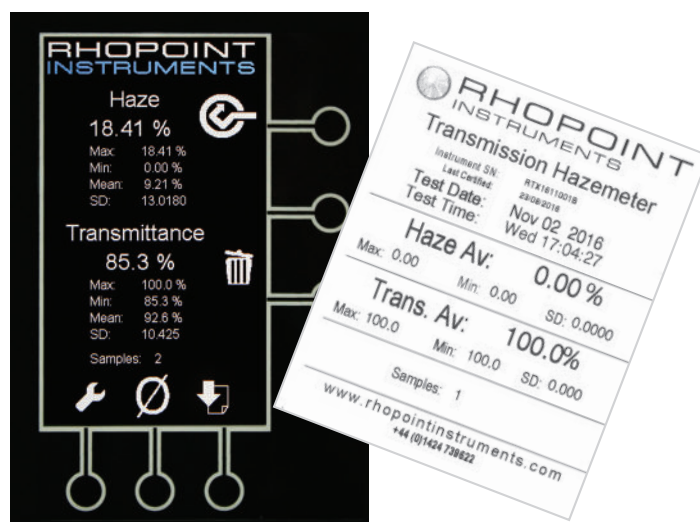
At 50% of the price of the market leader for only measuring to this standard (ASTM D1003, CIE C), the Rhopoint Novo-Haze TX represents huge savings without compromising measurement accuracy.

## User Interface

The instrument features an intuitive user friendly interface which minimises the test time and makes it an ideal choice for both Quality Control (QC) and Research & Development (R&D).

The touch sensitive interface makes it incredibly easy to use, with no complicated menu structures; all measurement functions are accessible from one screen.

Single touch button or the footswitch can be used to initiate single measurements or automatic measurement mode.



At the end of the test the percentage of haze and transmittance are shown on screen.

If multiple tests are performed, statistics for the batch will be displayed and can be printed to the results printer to keep with retained samples.



# Instrument & Accessories



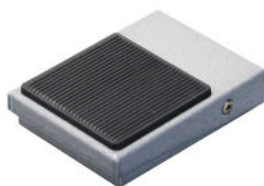
**Included accessories:**

- 1x Haze checking standard, NPL traceable
- Calibration certificate
- 24V DC power supply with mains cable
- USB drive

## Optional Extras:



Results printer



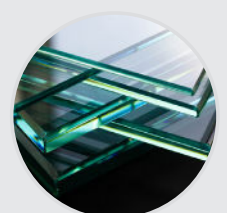
Footswitch



Custom sample holders



Plastic film



Glass

# Specifications

Haze	Details
Repeatability	±0.05 units SD
Reproducibility	±0.4 units SD
Resolution	0.01%

Transmission	Details
Repeatability	±0.02 units SD
Reproducibility	±1.0 units SD
Resolution	0.01%

Instrument	Details
Light source	White light LED filtered for equivalence to CIE C luminosity function $\lambda$ plus human photopic response
Measurement area	14mm $\phi$
Measurement range	0 - 100%
Geometry	0° / diffuse
Sample thickness	Maximum 3mm, standard instrument Maximum 10mm using additional light baffle
Measurement standards	Conforms to ASTM D1003 (CIE C) Verified to ISO 14782, ISO 13468-1, JIS K 7361
Memory	10,000 results via USB stick (supplied) Internal memory: 99 results (for statistical analysis only)
Power supply	230V / 50Hz, 115V / 60Hz
Operating conditions	Operating temperature: 15 to 40°C Storage temperature: 0 to 50°C
Dimensions	(H) 580mm x (W) 200mm x (D) 320mm
Packed dimensions	(H) 720mm x (W) 440mm x (D) 320mm
Weight	16kg
Packed weight:	21.7kg
Commodity code	9027 5000
Order code	A3000-001

**Free extended 2 year warranty:** Requires registration at [www.rhopointinstruments.com](http://www.rhopointinstruments.com) within 28 days of purchase. Without registration, 1 year standard warranty applies.

**Calibration and service:** Fast and economical service via our global network of accredited calibration and service centres. Please visit [www.rhopointinstruments.com](http://www.rhopointinstruments.com) for detailed information.



**TRY BEFORE YOU BUY**

## We offer two options for you to try out the Novo Haze TX before buying

**1**

**Online demonstration:** Online presentation of the Novo Haze TX with your samples measured LIVE on Zoom, Microsoft Teams or Skype. Includes a consultation with an application specialist.

**2**

**Factory sample testing:** Send in samples of your material for testing and receive a comprehensive test report.

[Arrange a demo](#)

**Ready to receive a quote?**

[Click here](#)

**Rhpoint Instruments Ltd**

Rhpoint House, Enviro 21 Park, Queensway Ave S,  
St Leonards, TN38 9AG, UK

T: +44 (0)1424 739 622

E: [sales@rhpointinstruments.com](mailto:sales@rhpointinstruments.com)  
[www.rhpointinstruments.com](http://www.rhpointinstruments.com)

**Rhpoint Americas Inc.**

1000 John R Road, Suite 209, Troy,  
MI, 48083, United States

T: 1.248.850.7171

E: [sales@rhpointamericas.com](mailto:sales@rhpointamericas.com)  
[www.rhpointamericas.com](http://www.rhpointamericas.com)

**Rhpoint Instruments GmbH**

An der Kanzel 2  
D-97253 Gaukönigshofen, Deutschland

T: +49 (0)9337 900-4799

E: [info@rhpointinstruments.de](mailto:info@rhpointinstruments.de)  
[www.rhpointinstruments.de](http://www.rhpointinstruments.de)