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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

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

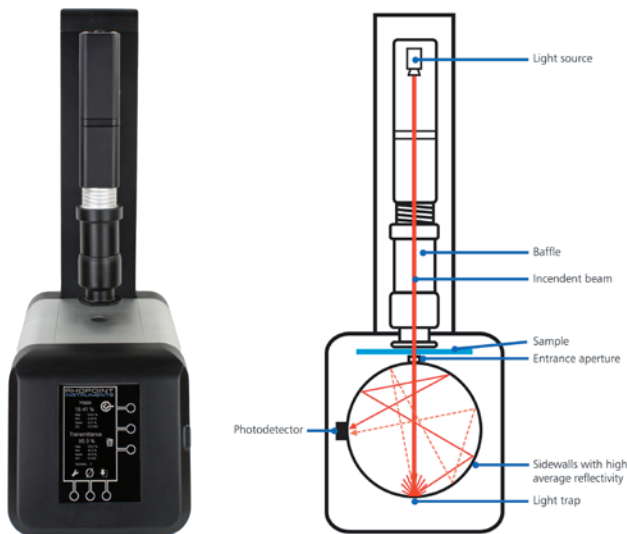
In packaging applications hazy films may reduce a consumer's quality perception as packed products can look cloudy and indistinct. For plastics with haze the visibility of the test material becomes more apparent and the contrast of viewed objects is reduced.

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.

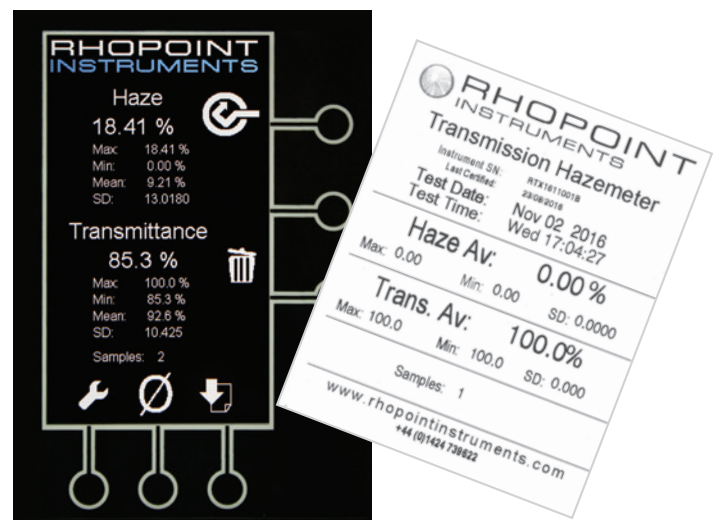
At 50% of the price of the market leader for only measuring to this standard (ASTM D1003, CIE C), the Rhopoint Novo-Haze TX represents huge savings without compromising measurement accuracy.

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

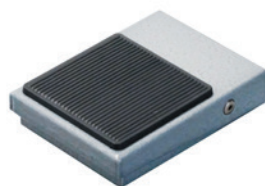


- Included accessories:**
- 2x Haze checking standards, NPL traceable
 - Calibration certificate
 - 24V DC power supply with mains cable
 - USB drive

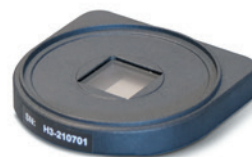
Optional Extras:



Results printer



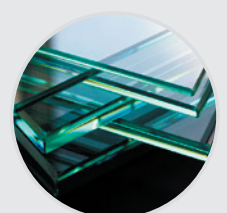
Footswitch



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 λ plus human photopic response |
| Measurement area | 14mm ϕ |
| 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 warranty: Free extended 2 year warranty:

Requires registration at www.rhopointinstruments.com/instrument-registration within 28 days of purchase.

Without registration, 1 year standard warranty applies.

Calibration & Services: Fast and economical service via our global network of accredited calibration and service centres. Please visit www.rhopointinstruments.com/support 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](#)

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