

# PMS-RIT

[https://www.gigahertz-optik.com/en-us/product/pms-rit\\_lcrt-2005-s/](https://www.gigahertz-optik.com/en-us/product/pms-rit_lcrt-2005-s/)

**Product tags:**



---

## Description

### Light transmission

Light transmission is the visually sensed light permeability of materials. It is particularly important when it comes to specification of window panes on all types of vehicles, display sheets and disks as well as all the other samples whose transmission is assessed with the photometric responsivity ( $V(\lambda)$ ) of the human eye.

---

### Regular light transmission

This describes the proportion of light that penetrates through the sample without scattering or dispersion. In addition to the haze value, the proportion of the directed light transmission is also of great importance in wind shields and windows specification.

---

### Measurement of regular light transmission with LCRT-2005H-S

Measurement of direct light transmission requires a measurement distance between the light source and device receiver that corresponds to a multiple of the illumination field diameter. The sample is aligned in front of the receiver. This setup correspond to the 0/0 measurement geometry thanks to the quasi-parallel illumination and narrow measurement angle of the receiver.

---

### PMS-RIT stand

The PMS-RIT stand is a useful accessory for the LCRT-2005H-S for regular light transmission measurements. The stable base is also suitable for large samples.

---

### LCRT-2005H-S spectrophotometer

The LCRT-2005H-S can also be used as a spectrophotometer due to its spectral measurement detectors in source and receiver. The spectral range is between 380 and 780 nm.

---

### USB interface with readout software

The USB interface enables data readout and power supply. The software delivered with the device can be used for measurement data readout.




## Specifications

### General



*PMS-RIT stand for LCRT-2005H-S*

## Configurable with

Product Name	Product Image	Description	Go to product
LCRT-2005-S		Light-transmission hand-held meter for thin and flat samples	<a href="https://www.gigahertz-optik.com/en-us/product/lcrt-2005-s/">https://www.gigahertz-optik.com/en-us/product/lcrt-2005-s/</a>
LCRT-2005-S+850		Light and 850 nm transmission hand-held meter for thin and flat samples	<a href="https://www.gigahertz-optik.com/en-us/product/lcrt-2005-su850/">https://www.gigahertz-optik.com/en-us/product/lcrt-2005-su850/</a>
LCRT-2005H-S		Light Transmission and Haze Meter for Thin and Flat Samples, hand-held portable.	<a href="https://www.gigahertz-optik.com/en-us/product/lcrt-2005h-s/">https://www.gigahertz-optik.com/en-us/product/lcrt-2005h-s/</a>

## Purchasing information

Article-Nr	Modell	Description
<b>Product</b>		
15297916	PMS-RIT	Stand

## Contact, Calibration, Service & Support

We are known worldwide for excellent technical consulting and after sales support. Contact us to find together the best solution for you. Our services:

- Technical Consulting & Sales
- After-Sales Support
- Calibrations & Re-Calibrations ([ISO/IEC 17025 Calibration Services](#), [factory calibration](#), [Calibration of Third-Party Products](#))
- Repairs & Updates
- OEM & Feasibility Consulting of Customized Solutions

[Send us your inquiry](#) or contact us by phone or e-mail. We would welcome your feedback too or review us on [Google](#).

### Gigahertz Optik GmbH (Headquarter)

Tel.: +49 (0)8193-93700-0  
Fax: +49 (0)8193-93700-50  
[info@gigahertz-optik.de](mailto:info@gigahertz-optik.de)

An der Kaelberweide 12  
82299 Tuerkenfeld, Germany

### Gigahertz-Optik, Inc. (US office)

Phone: +1-978-462-1818  
[info-us@gigahertz-optik.com](mailto:info-us@gigahertz-optik.com)

Boston North Technology Park  
Bldg B - Ste 205  
Amesbury, MA 01913 USA