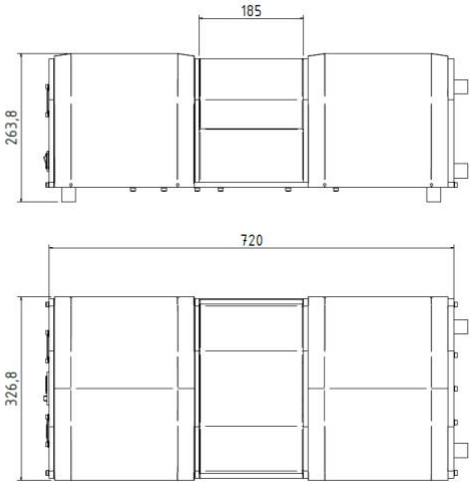
1199	**HZM 1524**	**Featuring completely new hardware, this equipment measures the haze of lenses and other substances according to ISO 12311, ASTM, and ANSI standards. It includes an integrating sphere, automatic movement, and calculation software.**





Technical features

- Light source equipped with a 55 W halogen lamp (Standard Illuminant A).
- Special bi-telecentric lens system (4 lenses) ensuring a perfectly parallel and collimated beam.
- 150 mm (6”) diameter integrating sphere made of solid aluminum, coated with premium titanium dioxide and barium sulfate paint.
- Removable sample holder capable of accommodating samples up to 70 mm, equipped with a quick-clamping system.
- Sample holder automatically rotates by 90° intervals, driven by a precision stepper motor.
- Light trap opening actuated by an electric stepper motor-driven shutter.
- Photoreceptor featuring a photopic filter and driving circuit with an embedded amplifier.
- Optical QUASM 7 Microprocessor.
- Proprietary AD software for motor control, data acquisition, and transmission to a PC via USB.
- Fully automated procedure, initiated directly via PC keyboard commands.
- Power supply requirements: 230–240 V, 50 Hz.
- Weight: 21 kg.
- Overall dimensions (L × W × H): 720 × 330 × 270 mm.
- PC-based software for data acquisition and results calculation.
- Automatic calibration by pressing F1.
- Fully automated measurement sequence initiated by pressing F2, executed as follows:
    1. Measurement of incident light (tau 1) with no specimen, light trap open, and the reflectance standard in place.
    2. Measurement of total light transmitted through the specimen (tau _2) with the specimen in place, light trap open, and the reflectance standard in place.
    3. Measurement of light scattered by the instrument (tau _3) with no specimen, light trap engaged, and no reflectance standard.
    4. Measurement of light scattered by both the instrument and specimen (tau _4) with the specimen in place, light trap engaged, and no reflectance standard.
    5. Repeat step (2) four times, automatically rotating the specimen by 90° between each reading.
    6. Repeat steps (4) and (5) to obtain four readings in the exact same angular positions.
    7. Calculation of:
    - The average values of The average values of τ2 and τ4 (τ2 and τ4).
        - Total transmittance in accordance with the equation required by ISO 12311.
- A comprehensive test report is automatically generated by the PC software, including sample ID and all required test parameters.

- Can be operated in a vertical position.

- Required power supply: 230–240 V, 50 Hz.
- Weight: 21 kg.
- Overall dimensions: 720×330×270 mm.

