



## Rodenstock REM 4000 Endothelial microscope (New)

- New,
- Made in Germany,
- Product advantages and features:
  - 13 measuring areas,
  - Automatic alignment + automatic measurement,
  - Integrated non-contact pachymetry,
  - Analysis of dark areas,
  - Integrated database,
  - L-count analysis,
- Specifications:
  - General:
    - Image resolution: 480 (V) x 180 (H) pixels,
    - Capture range: 0.25 x 0.54 mm,
    - 1 center + 12 peripheral measurements: 13 x fixation points,
    - Minimum cell resolution: 1.14 µm (V) x 1.45 µm (H),
    - Optical magnification: x 220,
    - Display: 10.4-inch color LCD,
    - Display resolution: 1.14 µm,
  - Measurements:
    - Automatic alignment: yes,
    - Automatic measurement: yes,
    - Manual mode (1 and 2): yes,
  - Measurement functions:
    - Automatic study capture: 16 images for analysis,
    - Number of cells analyzed: More than 300 cells,
    - Position capture: Center + 12 peripheral points,
    - Analysis method: Automatic analysis, L-count, core method, dark area analysis,
    - Analysis values:
      - CD (cell density),
      - AVG (average cell area),
      - SD (standard deviation of cell area),
      - CV (coefficient of variation of cell area), Cell size (max + min cell area).
    - Moving section strokes:
      - (X axis): 88 mm,
      - (Y axis): 40 mm,
      - (Z axis): 50 mm,
    - Electric chin stroke: 70 mm,
    - Pachymetry measurement accuracy: +/- 10 µm,
  - OPERATING ENVIRONMENT:
    - Temperature: +10° to +40°,
    - Humidity: 30% to 75%,
    - Atmospheric pressure: 800 to 1060 hPa,
    - Standards used: MDD Annex ii, iSo 13485,
  - DATA MANAGEMENT:
    - Built-in printer: Thermal printer,
    - Internal database: SD card,
    - Data output: USB-H, USB-D, LAN,
  - DIMENSIONS AND ELECTRICAL REQUIREMENTS:
    - WDH dimensions: 309 x 491 x 450 mm,
    - Weight: Approximately 22 kg,
    - Power supply: 100 V AC to 240 V AC,
    - Frequency 50/60 Hz,
    - Power consumption: 100 VA,
- Has a current Technical Passport issued,
- Warranty 12 months,
- Possibility of financing (Poland only): Installments, Leasing, Loan,

