

MES -2000 医用内窥镜光学性能测试系统

MES - 2000 Medical Endoscope Optical Performance Test System

- 操作十分便捷，软件功能丰富，完全符合标准要求

高精度、高可靠性，丰富的测量参数

MES-2000医用内窥镜光学性能测试系统是参考YY0068-1、YY 1298等有关医用内窥镜标准的相关要求，并结合最新的相关标准与技术的发展趋势，设计研发的一款专门用于医用内窥镜光学性能测试评价的专业设备。该系统测量准确度高、适用范围广、操作简单、软件分析功能丰富，特别适用于医用内窥镜的研发、生产、质检和应用等环节中的性能质量检测，可实现医用内窥镜的视场角、视向角、入瞳视场角及 α 值、像质、单位相对畸变、颜色分辨能力和色还原性评价、照明性能、综合光效等参数的测量。

The operation is very convenient, and the software functions are rich, which fully meet the standard requirements

High precision, high reliability and rich measurement parameters

The MES-2000 Medical Endoscope Optical Performance Test System is a professional equipment specially designed and developed for testing and evaluating the optical performance of medical endoscopes by referring to relevant requirements of medical endoscope standards such as YY0068-1 and YY1298, and combining the development trend of the latest relevant standards and technologies. The system has high measurement accuracy, wide application range, simple operation, and rich software analysis functions. It is especially suitable for performance quality detection in the research, development, production, quality inspection and application of medical endoscopes. It can measure the field angle, direction angle, entrance pupil field angle, α value, image quality, unit relative distortion, color resolution and color reducibility evaluation, lighting performance, comprehensive luminous efficiency and other parameters of medical endoscopes.



技术参数 Specifications

- MES-2000医用内窥镜光学性能测试系统，其主要测量功能可实现：

The main measurement functions of the MES-2000 medical endoscope optical performance test system can achieve:

- ① 视场角和视向角测量；
① Field angle and direction angle measurement;
- ② 入瞳视场角及a值（内窥镜末端到入瞳的距离）；
② Entrance pupil field angle and a value (the distance from the end of the endoscope to the entrance pupil);
- ③ 像质（角分辨率、有效景深范围）；
③ Image quality (angular resolution, effective depth of field);
- ④ 单位相对畸变测量；
④ Measurement of unit relative distortion;
- ⑤ 颜色分辨能力和色还原性评价；
⑤ Evaluation of color resolution and color reversibility;
- ⑥ 照明性能（边缘均匀性和照明镜体光效）测量；
⑥ Lighting performance (edge uniformity and luminous efficiency of illuminating mirror) measurement;
- ⑦ 综合光效（综合镜体光效和综合边缘光效）测量；
⑦ Measurement of comprehensive luminous efficiency (comprehensive mirror body luminous efficiency and comprehensive edge luminous efficiency);
- ⑧ 光能传递效率测量；
⑧ Radiosity efficiency measurement;
- ⑨ 胶囊内窥镜的图像灰阶测量；
⑨ Image gray scale measurement of capsule endoscope;
- ⑩ 胶囊内窥镜的照明性能测量.....
⑩ Measurement of illumination performance of capsule endoscope...
- 除此之外，用户可根据自己实际需求进行测试项目、测试系统的选配。
In addition, users can select test items and test systems according to their actual needs.