

## NEDS-2000机器人近眼显示测量系统 NEDS-2000 robot near eye display measurement system

- NEDS-2000近眼显示机器人测量系统是远方公司基于多年的研发和生产经验，针对近眼显示设备开发的综合测量系统。系统配备专业测量模块及高精度定位机器人，可实现出瞳距离、Eye-box、FOV、图像光色特性的精确评价。

NEDS-2000 near eye display robot measurement system is a comprehensive measurement system developed by a remote company for near eye display equipment based on years of R D and production experience. The system is equipped with professional measurement module and high-precision positioning robot, which can realize accurate evaluation of pupil exit distance, eye box, FOV and image light color characteristics.



### 特点与优势 Characteristics and advantage

- 亮度、色度及其均匀性  
Brightness, chromaticity and uniformity
- 图像对比度  
Image contrast
- FOV  
FOV
- eye-box  
eye-box
- 图像畸变  
Image distortion
- MTF等  
MTF, etc
- 此外可以另配环境光光源实现眼镜光学透过率、环境光对比度等环境光特性的评价。  
In addition, additional ambient light source can be used to evaluate the optical transmittance, ambient light contrast and other ambient light characteristics of glasses.

### 技术参数 Specifications

- 1) 波长范围: 380 nm-780 nm  
1) Wavelength range: 380 nm-780 nm
- 2) 亮度范围: 0.05-10,000cd/m<sup>2</sup>  
2) Brightness range: 0.05-10000cd/m<sup>2</sup>
- 3) 亮度重复性: 0.15% (1cd/m<sup>2</sup>以上)  
3) Luminance repeatability: 0.15% (above 1cd/m<sup>2</sup>)
- 4) 色度重复性: 0.0004 (1cd/m<sup>2</sup>以上)  
4) Chromaticity repeatability: 0.0004 (above 1cd/m<sup>2</sup>)

**技术参数 Specifications**

- 1) 波长范围: 350nm~1000nm (200~2500nm分波段可选)
  - 1) Wavelength range: 350nm~1000nm (200~2500nm waveband selectable)
- 2) 杂散光 (A光源) :5.00E-051
  - 2) Stray light (A light source): 5.00E-051
- 3) 波长准确度:0.3nm
  - 3) Wavelength accuracy: 0.3nm
- 4) 色坐标准确度(x,y):0.0003 (标准A光源下)
  - 4) Color setting standard accuracy (x, y): 0.0003 (under standard A light source)
- 5) 光强灵敏度:0.01mcd
  - 5) Light intensity sensitivity: 0.01mcd
- 6) 重复性:0.2%
  - 6) Repeatability: 0.2%
- 7) 光度线性:0.3%
  - 7) Photometric linearity: 0.3%

