

# 光谱仪附件

## 光栅

光栅规格型号表1: 光栅 (本系列适用于Omni-λ300i、Omni-λ500i、Omni-λ750i等系列光谱仪)

注: 凡蓝色标注的均为常备库存光栅, 建议优先选择

Model	Range(nm)	Grooves(g/mm)	Blaze(nm)	Size(mm)
Holographic				
1-360-180-500-NP	180-400	3600	300	68 x 68
1-240-250-600-NP	250-600	2400	300	68 x 68
1-240-190-800-NP	190-600	2400	250	68 x 68
1-200-300-900-NP	300-720	2000	475	68 x 68
1-180-350-900-NP	350-800	1800	500	68 x 68
1-180-190-900-NP	190-800	1800	250	68 x 68
1-120-190-800-NP	190-800	1201.6	250	68 x 68
1-120-400-1200-NP	400-1200	1200	700	68 x 68
Ruled				
1-240-240-NP	190-600	2400	240	68 x 68
1-240-300-NP	250-600	2400	300	68 x 68
1-180-400-NP	300-800	1800	400	68 x 68
1-180-500-NP	350-800	1800	500	68 x 68
1-120-250-NP	200-500	1200	250	68 x 68
1-120-300-NP	200-600	1200	300	68 x 68
1-120-400-NP	200-1000	1200	400	68 x 68
1-120-500-NP	350-1100	1200	500	68 x 68
1-120-750-NP	500-1200	1200	750	68 x 68
1-090-550-NP	350-1600	900	550	68 x 68
1-083-1200-NP	700-1700	830	1200	68 x 68
1-060-300-NP	200-600	600	300	68 x 68
1-060-500-NP	330-1000	600	500	68 x 68
1-060-750-NP	500-1500	600	750	68 x 68
1-060-1000-NP	650-2200	600	1.0 μm	68 x 68
1-060-1200-NP	800-2400	600	1.2 μm	68 x 68
1-060-1600-NP	1-2.4 μm	600	1.6 μm	68 x 68
1-030-300-NP	200-600	300	300	68 x 68
1-030-500-NP	300-1000	300	500	68 x 68
1-030-760-NP	450-1500	300	760	68 x 68
1-030-1000-NP	600-2000	300	1000	68 x 68
1-030-1200-NP	800-2200	300	1200	68 x 68
1-030-2000-NP	1.4-4 μm	300	2.0 μm	68 x 68
1-030-3000-NP	2-4.8 μm	300	3.0 μm	68 x 68
1-015-300-NP	200-600	150	300	68 x 68
1-015-500-NP	330-1100	150	500	68 x 68
1-015-800-NP	400-1600	150	800	68 x 68
1-015-1000-NP	600-2000	150	1090	68 x 68
1-015-1250-NP	800-2500	150	1250	68 x 68
1-015-2000-NP	1.1-4 μm	150	2 μm	68 x 68
1-015-3000-NP	2.2-6 μm	150	3 μm	68 x 68
1-015-4000-NP	2.5-8 μm	150	4 μm	68 x 68
1-0075-8000-NP	6-16 μm	75	8 μm	68 x 68
1-0075-10000-NP	6-18 μm	75	10 μm	68 x 68
1-0075-12000-NP	9-20 μm	75	12.0 μm	68 x 68
1-0050-12000-NP	8-22 μm	50	12 μm	68 x 68

光栅规格型号表2：经济型光栅（本系列适用于Omni-λ300i、Omni-λ500i、Omni-λ750i等系列光谱仪）

注：凡蓝色的标注的均为常备库存光栅，建议优先选择

型号	使用范围 (nm)	光栅刻线 (g/mm)	闪耀波长 (nm)	规格尺寸 (mm)
刻划光栅				
1-180-500	350-800	1800	500	68×68
1-120-300	200-600	1200	300	68×68
1-120-500	350-1000	1200	500	68×68
1-120-750	500-1200	1200	750	68×68
1-060-300	200-600	600	300	68×68
1-060-500	330-1000	600	500	68×68
1-060-750	500-1500	600	750	68×68
1-060-1000	650-2200	600	1000	68×68
1-060-1250	800-2400	600	1250	68×68
1-060-1600	1-2.4um	600	1600	68×68
1-030-500	300-1000	300	500	68×68
1-030-750	450-1500	300	750	68×68
1-030-1000	600-2000	300	1000	68×68
1-030-1250	850-2500	300	1250	68×68
1-030-1800	1.2-3.6um	300	1800	68×68
1-030-2000	1.4-4um	300	2000	68×68
1-030-3000	2-4.8um	300	3000	68×68
1-015-500	350-1000	150	500	68×68
1-015-4000	2.5-8um	150	4000	68×68

光栅规格型号表3：光栅（本系列适用于Omni-λ180Di系列光谱仪）

型号	使用范围 (nm)	光栅刻线 (g/mm)	闪耀波长 (nm)	规格尺寸 (mm)
全息光栅				
4-180-190-900-NP	190-800	1800	250	40X40
刻划光栅				
4-120-250-NP	200-500	1200	250	40X40
4-120-300-NP	200-600	1200	300	40X40
4-120-500-NP	350-1100	1200	500	40X40
4-120-750-NP	500-1200	1200	750	40X40
4-060-300-NP	200-600	600	300	40X40
4-060-500-NP	330-1000	600	500	40X40
4-060-750-NP	500-1500	600	750	40X40
4-060-1000-NP	650-2200	600	1000	40X40
4-030-1200-NP	800-2200	300	1200	40X40

光栅规格型号表4：经济型光栅（本系列适用于Omni-λ180Di系列光谱仪）

型号	使用范围 (nm)	光栅刻线 (g/mm)	闪耀波长 (nm)	规格尺寸 (mm)
4-120-300	200-600	1200	300	40X40
4-120-500	350-1100	1200	500	40X40
4-060-500	330-1000	600	500	40X40
4-060-750	500-1500	600	750	40X40
4-060-1000	650-2200	600	1000	40X40
4-030-500	300-1000	300	500	40X40
4-030-1250	850-2500	300	1250	40X40

光栅规格型号表5：光栅（本系列适用于Omni-λ200i系列光谱仪）

注：凡蓝色的标注的均为常备库存光栅，建议优先选择

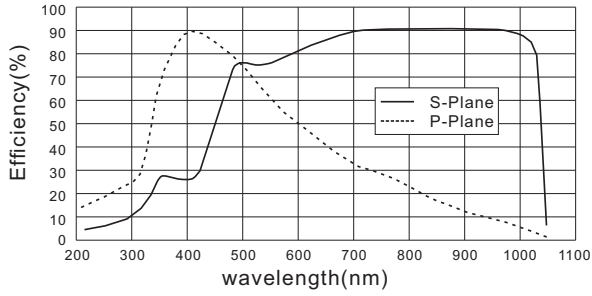
型号	使用范围 (nm)	光栅刻线 (g/mm)	闪耀波长 (nm)	规格尺寸 (mm)
9-240-240-NP	190-600	2400	240	50X50
9-180-400-NP	300-800	1800	400	50X50
9-120-300-NP	200-600	1200	300	50X50
9-120-500-NP	350-1100	1200	500	50X50
9-060-300-NP	200-600	600	300	50X50
9-060-500-NP	330-1000	600	500	50X50
9-060-750-NP	500-1500	600	750	50X50
9-060-1200-NP	800-2400	600	1200	50X50
9-030-300-NP	200-600	300	300	50X50
9-030-500-NP	300-1000	300	500	50X50
9-030-1000-NP	600-2000	300	1000	50X50
9-030-2000-NP	1400-4000	300	2000	50X50
9-030-3000-NP	2000-4800	300	3000	50X50
9-015-500-NP	330-1100	150	500	50X50
9-015-800-NP	400-1600	150	800	50X50
9-015-1000-NP	600-2000	150	1000	50X50
9-015-1250-NP	800-2500	150	1250	50X50
9-015-2000-NP	1100-4000	150	2000	50X50
9-015-3000-NP	2200-6000	150	3000	50X50
9-015-4000-NP	2500-8000	150	4000	50X50

光栅规格型号表6：经济型光栅（本系列适用于Omni-λ200i系列光谱仪）

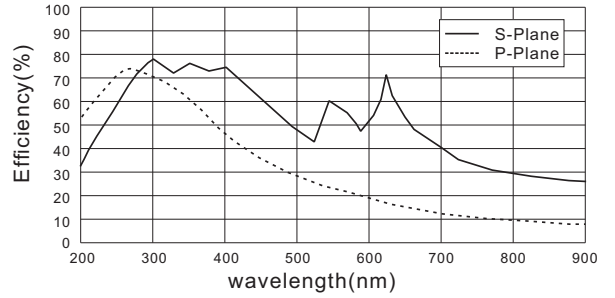
注：凡蓝色的标注的均为常备库存光栅，建议优先选择

型号	使用范围 (nm)	光栅刻线 (g/mm)	闪耀波长 (nm)	规格尺寸 (mm)
9-120-300	200-600	1200	300	50X50
9-120-500	350-1100	1200	500	50X50
9-060-300	200-600	600	300	50X50
9-060-500	330-1000	600	500	50X50
9-060-750	500-1500	600	750	50X50
9-060-1250	800-2400	600	1250	50X50
9-030-500	330-1000	300	500	50X50
9-030-750	450-1500	300	750	50X50
9-030-1250	850-2500	300	1250	50X50
9-015-500	330-1100	150	500	50X50
9-015-1000	600-2000	150	1000	50X50

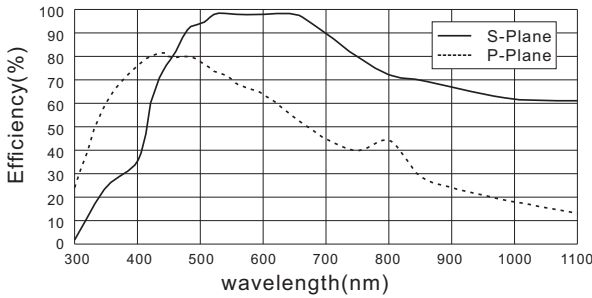
典型光栅效率曲线:



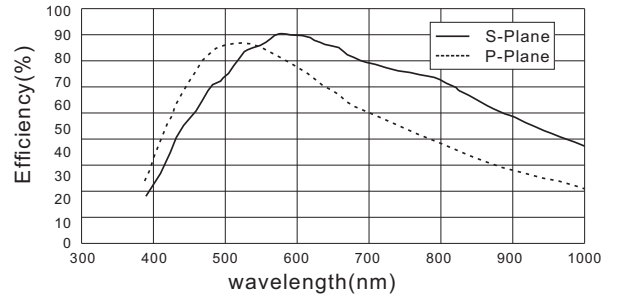
1800刻线-500nm闪耀光栅



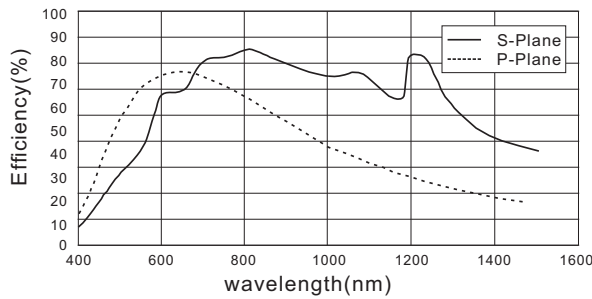
1200刻线-300nm闪耀光栅



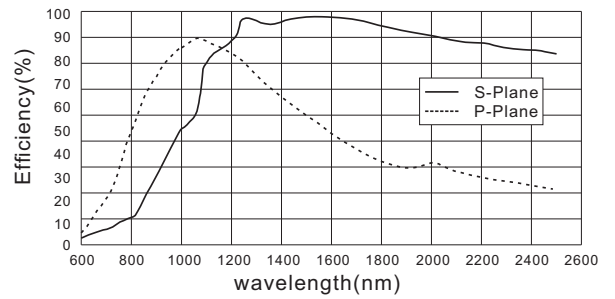
1200刻线-500nm闪耀光栅



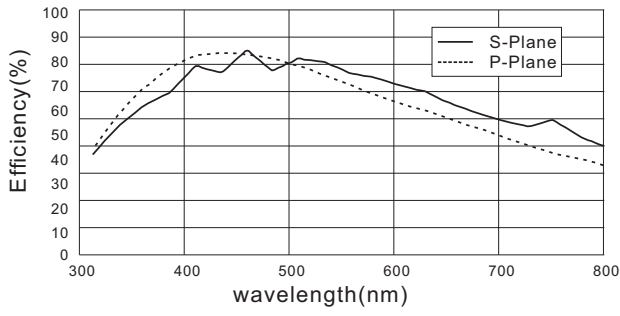
600刻线-500nm闪耀光栅



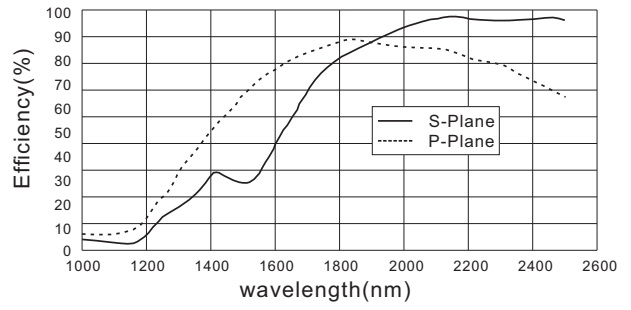
600刻线-750nm闪耀光栅



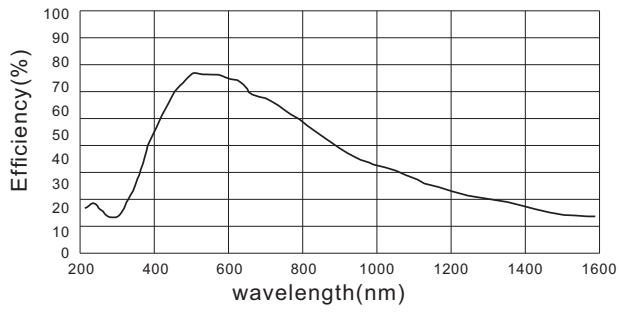
600刻线-1200nm闪耀光栅



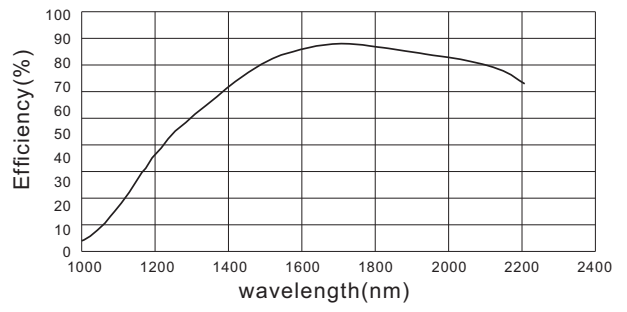
300刻线-500nm闪耀光栅



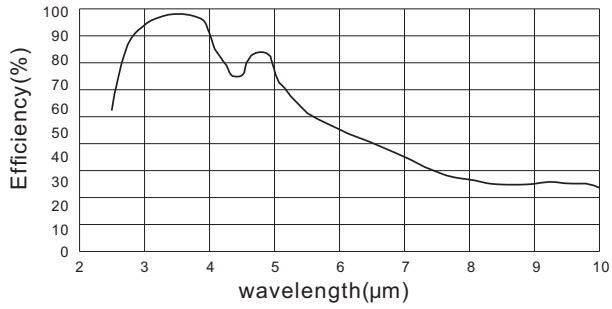
300刻线-2000nm闪耀光栅



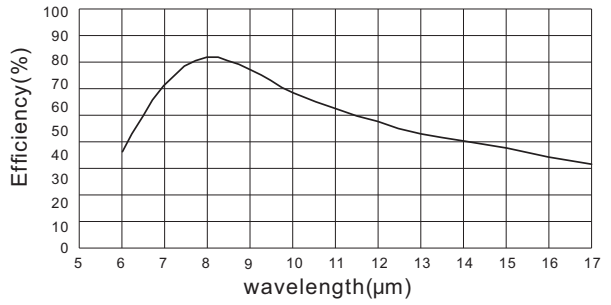
150刻线-500nm闪耀光栅



150刻线-2000nm闪耀光栅



150刻线-4000nm闪耀光栅



75刻线-8000nm闪耀光栅