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红外与激光工程

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本期专家报告

激光雷达用高性能光纤激光器

史伟

激光雷达以其极高的分辨本领和抗干扰能力，被广泛应用于巡航制导、目标跟踪以及大气遥感等领域。光纤激光作为新一代激光技术，因其光束质量优、功率/脉冲能量高、集成性好以及维护简单等优势，在激光雷达测控领域有着广阔的应用前景。

中国航天科工集团公司
《红外与激光工程》编辑部

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ISV系列 紫外到短波红外积分球

主要测试功能:

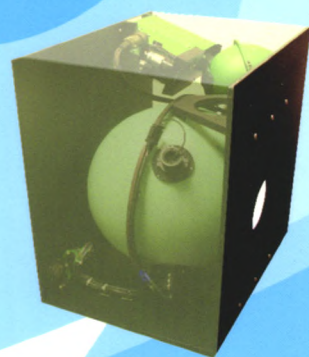
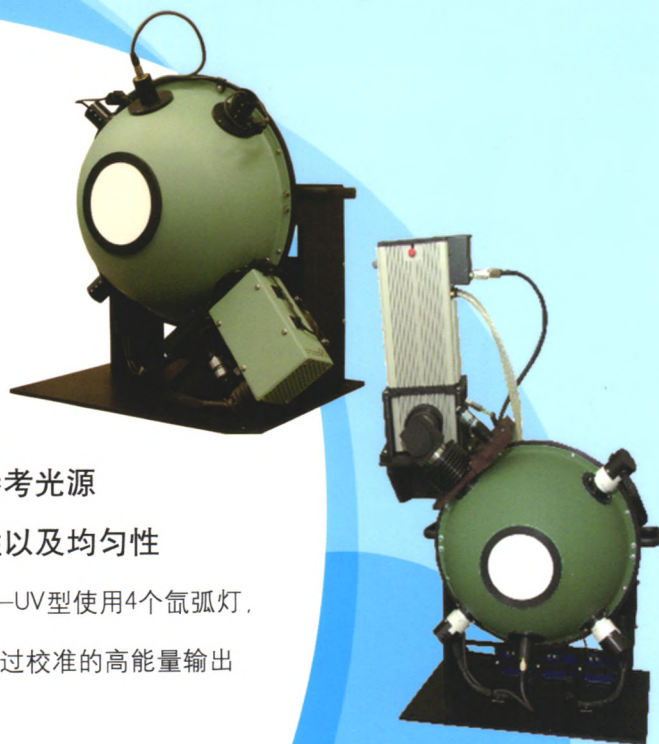
- ◇ 用于校准覆盖紫外到短波红外波长传感器的参考光源
- ◇ 亮度范围广并且具有极卓越的精确性，稳定性以及均匀性
- ◇ ISV410-LL: 低亮度和近红外专用辐亮度可低至 $10^{-11} \text{ W/cm}^2 \cdot \text{sr}$ 的光源
- ◇ ISV410-LL是专用于测试和校准工作于可见光到近红外谱段的低照度传感器系统的光源

紫外波段扩展型号可提供独有的5000 K色温ISV410-UV型使用4个氙弧灯，色温可达5000 K，可提供覆盖200 nm到2000 nm波段的经过校准的高能量输出适用于测试和校准辐射计以及紫外增强相机。

比如夜视系统、图像增强相机、辐射计、遥感系统以及紫外-可见光增强系统等。其照明由色温达到 $2856 \pm 25 \text{ K}$ 可溯源NIST的钨卤素灯提供。在不添加衰减片的情况下，可输出低照度真实色温。硅探测器可连续监视光源的输出并且反馈给衰减器，同时提供可靠及可重复的性能表现。

★ 整合资源，优化销售渠道，做红外测试和全景监控系统领域的开拓者！
HGHI成功收购美国光电工业公司EOI。

★ 全参数测试算法符合国家标准GB/T 17444-2013 《红外焦平面阵列参数测试方法》



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