BXG01 条纹管

产品概述

光电阴极产生的条纹电子图像,经各电极加速聚焦,对应不同偏转扫描电压，可在荧光屏上得到对应偏移量•的图像,从而实现目标时空间信息的同时探测,同轴电极型石英窗光学扫描变像管，为光学条纹相机的核心器件.

技术特点

单层同轴电极，六电极静电聚焦结构；诊断空间尺寸长，动态范围宽；S20（多城 CsNa2KSb）光阴极,石英输入窗.

参数

光阴极响应范围 200 ~820nm

光阴极有效长度 30 mm

峰 ttl 灵敏度 @460: N45mA/W

偏转灵敏度@总压 13kV: N40 mm/kV

中心空间分辨 N20 lp/mm

荧光屏有效立径 > 640

重:量约 3.5kg

尺寸 6 125 x 453mm

应用领域

塑料闪烁体光潜探测,超高速瞬态光学现象探测、高能粒子物质相互作用、正负电子对撞机、激光雷达成像、生命科学领域.

BXG01 Optical Streak Tube

Product Overview

The striped electron image generated by the photocathode is accelerated and focused by each electrode, corresponding to different deflection scanning voltages, and the image corresponding lo the offset can be obtained on the fluorescent screen, so as to realize the simultaneous detection of the time and space information of the target. The coaxial electrode type quartz window optical scannins image converter lube is the core device of optical stripe camera.

Technical Features

S20(CsNa2KSb)

Single-layer coaxial electrode, and six-electrode electrostatic focusing structure： long diagnostic space size, and wide dynamic range； S20 (polybasic CsNa2KSb) photocathode, and quartz input window.

Parameter

Photocathode response range 200 ~ 820nm

Effective length of photocathode 30 mm

Peak sensitivity @460： >45m.-VW

Deflection sensitivity 13kV： >40 mm/kV

Center spatial resolution N20 Ip/mm

Effective diameter of the fluorescent screen N d» 40

Weight About3.5kg

Dimensions <b 125 ' 453mm

Application Fields

Spectral analyses of the plastic scintillator, as well as the detection of ultra-high-speed transient optical phenomena, high-energy particle-matter interaction, electron-positron colliders, lidar imaging, and life sciences.