

FIBRE OPTICS ILLUMINATION SYSTEMS



Micro Probe Illumination System
with set of six light pipets

177-2

FIBRE OPTICS MICRO PROBE ILLUMINATION SYSTEM : 177-2

This system is excellent for industrial illumination requirements of intricately assembled parts such as carburetter, electronic parts with smaller, recessed, deep orifices and cylindrical parts for visual inspection. The system is versatile to carry the light to inaccessible places in castings and mouldings for the purposes of defect examination. The system consists of a set of six pipets having outside diameters varying from 0.043 to 0.148 inch. Within this set are two probes : one with a 45 degree distal bend and another with a 90 degree bend having a bundle diameter of 0.109 inch (2.8mm). The main fibre cable is approximately 1.7 mt long.

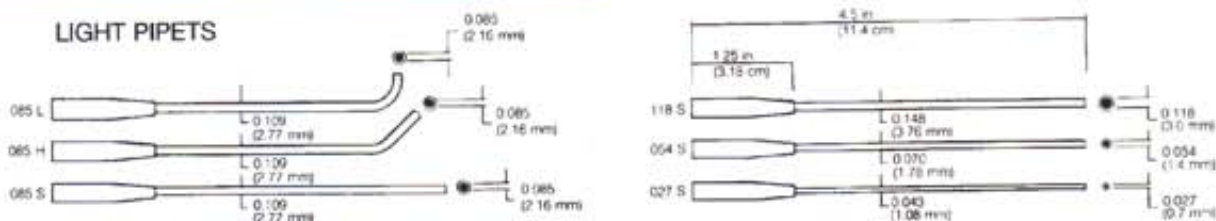


Fig. 1

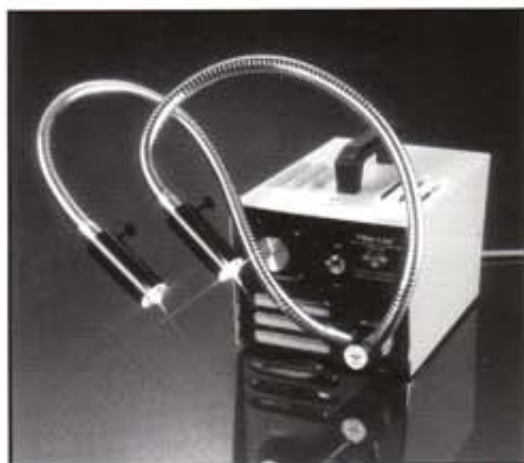
(PROVIDED WITH FIBRE - OPTICS MICRO-PROBE ILLUMINATION SYSTEM TYPE 177-2)

A set of six uniquely designed rigid probes with outside diameters ranging from 0.043 to 0.148 inches (1.1 to 3.7 mm). Out of the six pipets, four of the probes are straight, one is bent at 45 degree angle and one is bent at 90 degree angle. The pipets are provided with PVC sheathed fibre optic light guide and is ideal for industrial usage because of its continuous steel monocoil which provides internal strain relief.

The engineering drawings of all the six pipets are given alongwith their dimensional details in fig. 1.

POSITIONABLE GOOSE-NECK ILLUMINATION SYSTEM: 181-1

This is an extremely versatile system for illumination of samples. This system is compact, quiet and portable. It provides illumination intensity of 40,000 foot candles. This system is suitable for higher magnification (120x plus). A set of self supporting bifurcated light guide with 5.3mm bundle diameter is suitable for use with Stereo Microscopes. Opposed angle illumination always provide an illuminated field and reduce shadow obstruction. The system employs fibre optics technology of world standard. Photographic exposure time will be short and excellent. System is ideal for light and electron microscopy, examination of cultures and tissue trim preparation for light and micro surgery etc. The main illuminator is having 150W illumination capacity with continuously variable facility from 50% to 100%.



Positionable Goose-Neck Illumination System

181-1

FLUORESCENT LIGHTING

(For Microscopy)

FEATURES

- High frequency, 25 kHz driver for flicker-free illumination
- Uniform, glare-free and shadow-free illumination
- High light output and color rendition

Vaiseshika 360 FL (Circular Fluorescent Vision Illuminator) is a laboratory and industrial grade fluorescent lighting system powered by a high frequency driver. The Model 360 FL provides bright, flicker-free illumination for a variety of application needs including assembly, inspection, imaging, microscopy and machine vision. The circular fluorescent lamp provides 360° of uniform, shadow-free and glare-free illumination on the specimen. This cool illumination minimizes eye fatigue in applications that require intricate differentiation of colors and details for prolonged periods of time.

The Model 360 FL incorporates a lightweight polycarbonate housing, which stays cool to the touch and does not radiate heat to the illuminated area.



360 FL

Whenever you think of Standards, think of **Vaiseshika**

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