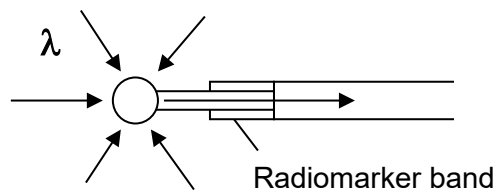


## Isotropic probe, IP85

The isotropic probe is a fiber-based catheter intended to be used for measuring light intensity in a diffusing medium such as biological tissue. The small spherical tip of the probe collects the light in a 6 solid angle with an identical efficiency. The probed light is guided by the fiber to the proximal end of the catheter and can be coupled to a photodetector through an SMA905 connector.



The isotropic probe can be manufactured with a gold radiomarker band and consequently the measurement position can be located in the tissue.

The device is supplied sterile in peel-open package and is intended for single use only.

### TECHNICAL DATA

<b>MECHANICAL DIMENSIONS (APPROXIMATE)</b>	<b>IP85</b>
OD DISTAL TIP	0.85 mm (1/30")
OVERALL LENGTH	3 m
<b>OPTICAL CHARACTERISTICS</b>	
ISOTROPY (standard deviation from 40° to 320°, in air)	± 10%
WAVELENGTH RANGE	480 – 800 nm
<b>OPTICAL FIBER</b>	
FIBER MATERIAL	SILICA, low OH <sup>-</sup>
CORE DIAMETER	400 μm
NUMERICAL APERTURE	0.37
MINIMUM BENDING RADIUS	47 mm
FIBER CONNECTOR	SMA 905

### WARNING

DO NOT USE THE ISOTROPIC PROBE TO DELIVER LASER POWER.