LP 20

The main characteristic of this sensor is the very high sensitivity. This enables the sensor to measure smallest laser power with high precision and resolution over the high dynamic range of 6 orders of magnitude.

This sensor has a high linearity and in opposite to optical detectors no saturation effect at higher powers. The used black absorption coating allows the employment in a spectral range from 190nm up to 25µm.

For stabilisation of the sensor one can use a thermal isolation of the sensor housing. Additionally, the housing has a removable tube to protect the surface against stray light and air moving. Additionally, you can replace the tube by special adapters for using optical fibres.

Diameter of sensor area	20 mm
Sensitivity	5 V/W
Time constant	< 2 sec.
max. average power	3W
Detection threshold	10 µW
max. power density	2,5 W/cm²
Dimensions	diameter 45 mm
	length without tube 45 mm
Connector	BNC

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