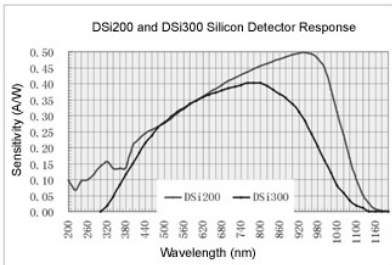


## Detectors - DSI300

### Silicon Detector

The DSI300 detector is a silicon photodiode, covering the spectral range from approximately 300nm to 1100nm. They are housed in compact, rugged housing and can be directly mounted on Omni-lambda series monochromators.



## SPECIFICATIONS

**Type** Silicon photodiode detector

**active area** 100mm<sup>2</sup>

**The wavelength range /nm** 300 - 1100 nm

**The peak wavelength (nm)** 800±20 nm

**Peak wavelength responsivity** greater than 0.4 A/W

**254nm responsivity (A/W)** Not applicable

**Response time**

**Operating Temperature Range**

**Storage Temperature Range**

**Distributary Resistance, Rsh**

**Noise Equivalent Power, NEP**

**Dark current** 1×10<sup>-8</sup> to 5×10<sup>-11</sup> A

**Capacity** less than 3000 pf