Dual-function Radiometers

Model QD

- QD-P (Wavelength & power meter for low power range [~ 0.1 mW])
- QD-HP (Wavelength & power meter for high power range [~100 mW])

QRAD
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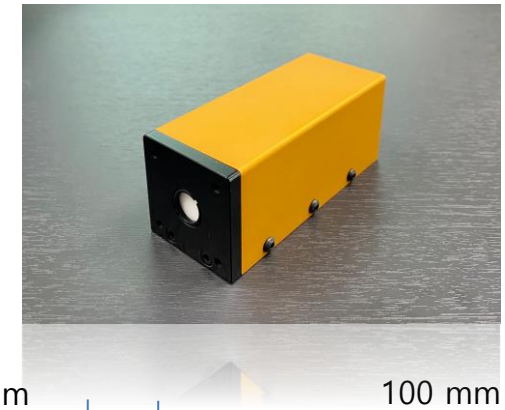
Wavelength & Power Meter – Low Power Range

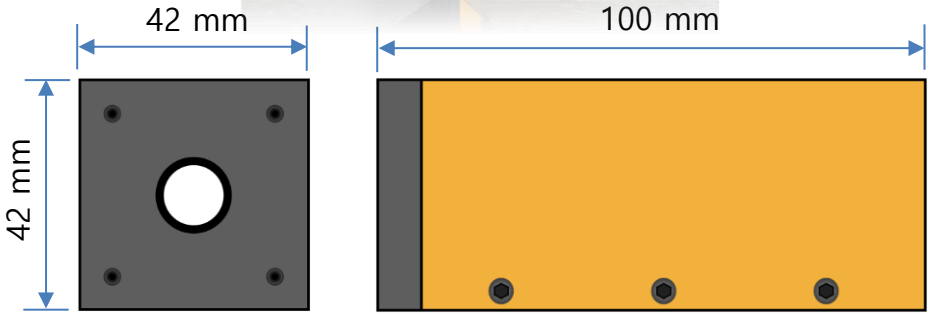
- QD-P
- QD-HP

- Simultaneous measurement of centroid wavelength (nm) and radiant power (W)
  - Suitable for a tunable monochromatic light input (coherent or incoherent)
  - Free-space input on a diffuser with a diameter of 10 mm
  - Wavelength range from 450 nm to 950 nm
  - Power range from 10 nW to 0.1 mW

	QD-P
Input aperture	Ø10 mm
Measurement range of wavelength	450 nm – 950 nm
Measurement range of radiant power	10^{-8} W ~ 10^{-4} W
Measurement uncertainty (*k = 2)	0.6 nm for wavelength, 2 % for radiant power
Integration time of single readout	0.5 ms (fast), 5 ms (medium), 500 ms (slow)
Interface and power supply	USB (C type)
Delivery with a data readout software for Windows PC (readout device in development)	

*k is the coverage factor for the expanded uncertainty.
Typically, k = 2 corresponds to approx. 95% confidence level.





4 x threads on front for standard 30 mm cage system

M4 & M6 mounting threads on bottom

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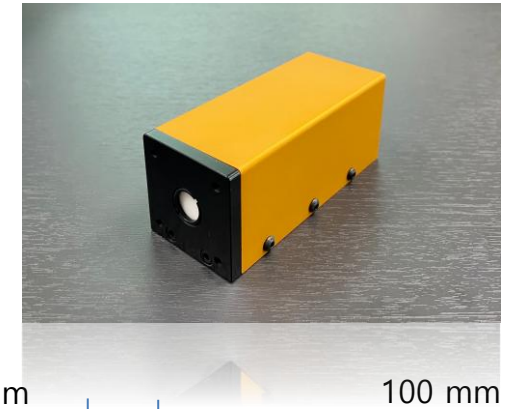
- QD-P
- QD-HP

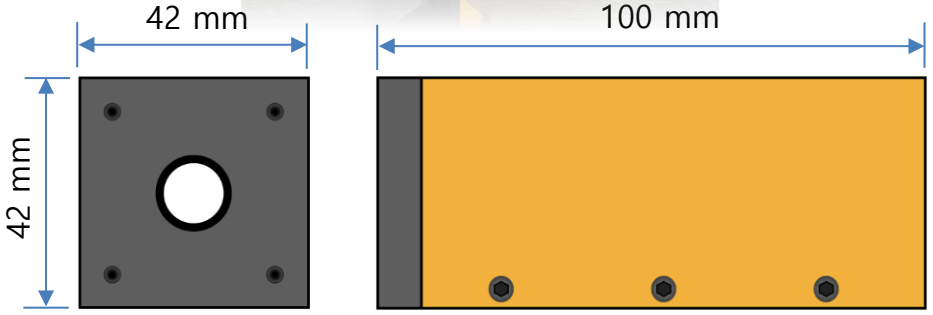
Wavelength & Power Meter – High Power Range

- Simultaneous measurement of centroid wavelength (nm) and radiant power (W)
  - Suitable for a tunable laser
  - Dree-space input on a diffuser with a diameter of 10 mm
  - Wavelength range from 450 nm to 950 nm
  - Power range from 10 µW to 100 mW

	QD-HP
Input aperture	Ø10 mm
Measurement range of wavelength	450 nm – 950 nm
Measurement range of radiant power	10^{-5} W ~ 10^{-1} W
Measurement uncertainty (*k = 2)	0.6 nm for wavelength, 2 % for radiant power
Integration time of single readout	0.5 ms (fast), 5 ms (medium), 500 ms (slow)
Interface and power supply	USB (C type)
Delivery with a data readout software for Windows PC (readout device in development)	

*k is the coverage factor for the expanded uncertainty.
Typically, k = 2 corresponds to approx. 95% confidence level.





4 x threads on front for standard 30 mm cage system

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