

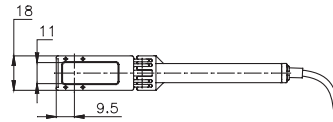
PD300 / PD300-1W / PD300-3W

CW power 1nW-30mW (300mW / 1W or 3W with supplied filter)

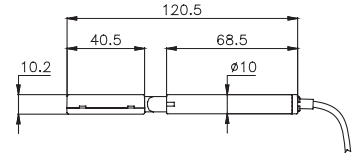
Recommended Use: Low power CW lasers (HeNe, diode, etc.), out of fiber measurement
 Special Features: Automatic background subtraction, F.O. adapters available



PD300 with filter off



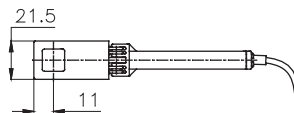
front view



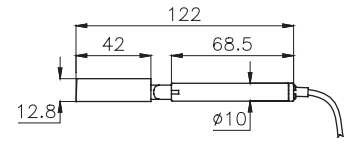
side view



PD300 with filter installed



front view



side view

PD300 / PD300-1W				PD300-3W		
	PD300 / PD300-1W Filter out	PD300 Filter in	PD300-1W Filter in		Filter out	Filter in
Spectral Response:	350 – 1100nm	400 – 1100nm	400 – 1100nm	Spectral Response:	350 – 1100nm	400 – 1100nm
Power Scales:	30.00mW/3.000mW/ 300.0µW/30.00µW/ 3.000µW/300.0nW/ 30.00nW/dBm	300.00mW / 30.0mW / dBm	1.000W/300.00mW/ 30.0mW/dBm	Power Scales:	100.0mW/30.00mW / 3.000mw /300.0µW / 30.00µW /3.000µW / 300.0nW /dBm	3.000W/300.00mW/ 30.0mW/dBm
Maximum Power vs. Wavelength:				Maximum Power vs. Wavelength		
<488nm	30mW	300mW	1W	<488nm	100mW	3W
633nm	20mW	300mW	1W	633nm	100mW	3W
670nm	13mW	200mW	1W	670nm	100mW	2.5W
790nm	10mW	100mW	0.6W	790nm	100mW	2W
904nm	10mW	150mW	0.7W	904nm	100mW	2W
1064nm	25mW	250mW	1W	1064nm	100mW	3W
Damage Threshold:	10W/cm ²	50W/cm ²	50W/cm ²	Damage Threshold:	10W/cm ²	150W/cm ²
Max Pulse Energy:	2µJ	20µJ	100µJ	Max Pulse Energy:	20µJ	500µJ
Accuracy: (including errors due to temp. variations)	±10% 360 – 400nm ±3% 400 – 950nm ±5% 950 - 1100n	±5% 400-950nm ±7% 950-1100nm	±5% 400-950nm ±7% 950 - 1100nm	Accuracy: (including errors due to temp. variations)	±10% 360–400nm ±3% 400–950nm ±5% 950 - 100n	±5% 400–950nm ±7% 950 – 1100nm
Aperture:	10mm x 10mm					
Response Time:	0.2s					
Beam Position Dependence:	±2%			±2%		
Noise:	0.02nW at mid spectrum with filter out					
Background Subtraction:	95 – 98% of background is cancelled automatically under normal room conditions, even when changing continuously			N.A.		

Ordering Information		
Item	Description	Ophir P/N
PD300	350-1100nm, up to 300mW	1Z02410
PD300-1W	350-1100nm, up to 1W	1Z02411A
PD300-3W-V1	350-1100nm, up to 3W and for high power densities	1Z02426
Fiber adapters	See page 52 for fiber adapter ordering information	