

Laser Power Meters

TS thermopile power meters | Selection guide

Compare the model-specific range and active area. Use the individual Precisometer datasheet for power-density limits, pulse conditions, attenuation, response time, cooling and electrical requirements.



Model	Optical power range	Wavelength range	Active area
TS2+TP100	2 mW - 2 W	0.19-25 μm	22 mm
TS5+TP100	2 mW - 5 W	0.19-25 μm	22 mm
TS15+TP100	2 mW - 15 W	0.19-25 μm	22 mm
TS35+TP100	10 mW - 35 W	0.19-25 μm	22 mm
TS50+TP100	10 mW - 50 W	0.19-25 μm	22 mm
TS100+TP100	0.5 W - 100 W	0.19-25 μm	25 mm
TS100-40+TP100	0.5 W - 100 W	0.19-25 μm	40 mm
TS200+TP100	0.5 W - 200 W	0.19-25 μm	25 mm
TS300+TP100	0.5 W - 300 W	0.19-25 μm	25 mm
TS700+TP100	1 W - 700 W	0.19-20 μm	55 mm

Total power, average power density and pulse energy density are separate limits. Higher photodiode power ratings require the specified attenuator. The 700 W thermopile requires water cooling. A series range does not apply to every sensor.

Specification review: 24 October 2026. Confirm the supplied sensor, attenuation, calibration, accessories and warranty terms with the quotation.

Precisometer | info@precisometer.com | Product details and enquiry

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HS sensitive thermopile power meters | Selection guide

Compare the model-specific range and active area. Use the individual Precisometer datasheet for power-density limits, pulse conditions, attenuation, response time, cooling and electrical requirements.



Model	Optical power range	Wavelength range	Active area
HS1+TP100	100 μ W - 1 W	0.19-20 μ m	9 mm
HS5+TP100	100 μ W - 5 W	0.19-20 μ m	9 mm

Total power, average power density and pulse energy density are separate limits. Higher photodiode power ratings require the specified attenuator. The 700 W thermopile requires water cooling. A series range does not apply to every sensor.

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Handheld power meters | Selection guide

Compare the model-specific range and active area. Use the individual Precisometer datasheet for power-density limits, pulse conditions, attenuation, response time, cooling and electrical requirements.



Model	Optical power range	Wavelength range	Active area
HP2	10 mW - 2 W	0.19-25 μm	25 mm
HP50	0.5 W - 50 W	0.19-25 μm	25 mm

Total power, average power density and pulse energy density are separate limits. Higher photodiode power ratings require the specified attenuator. The 700 W thermopile requires water cooling. A series range does not apply to every sensor.

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Photodiode power meters | Selection guide

Compare the model-specific range and active area. Use the individual Precisometer datasheet for power-density limits, pulse conditions, attenuation, response time, cooling and electrical requirements.



Model	Optical power range	Wavelength range	Active area
PD100-350+TP100	1 nW - 100 mW	350-1100 nm	9.5 mm
PD1000-350+TP100	1 nW - 1000 mW	350-1100 nm	9.5 mm
PD100-350T+TP100	1 nW - 100 mW	350-1100 nm	10 × 10 mm
PD1000-350T+TP100	1 nW - 1000 mW	350-1100 nm	10 × 10 mm
PD20-200+TP100	1 nW - 20 mW	200-1100 nm	9.5 mm
PD1000-200+TP100	1 nW - 1000 mW	200-1100 nm	9.5 mm
PD20-200T+TP100	1 nW - 20 mW	200-1100 nm	10 × 10 mm
PD1000-200T+TP100	1 nW - 1000 mW	200-1100 nm	10 × 10 mm
PD10-800-TP100	1 μW - 10 mW	800-1800 nm	9.5 mm
PD1000-800-TP100	1 μW - 1000 mW	800-1800 nm	9.5 mm

Total power, average power density and pulse energy density are separate limits. Higher photodiode power ratings require the specified attenuator. The 700 W thermopile requires water cooling. A series range does not apply to every sensor.

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Integrating-sphere power meters | Selection guide

Compare the model-specific range and active area. Use the individual Precisometer datasheet for power-density limits, pulse conditions, attenuation, response time, cooling and electrical requirements.



Model	Optical power range	Wavelength range	Active area
PD3000-350+TP100	1 μ W - 3000 mW	350-1100 nm	12 mm
PD5000-350+TP100	1 μ W - 5000 mW	350-1100 nm	12 mm

Total power, average power density and pulse energy density are separate limits. Higher photodiode power ratings require the specified attenuator. The 700 W thermopile requires water cooling. A series range does not apply to every sensor.

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USB power meters | Selection guide

Compare the model-specific range and active area. Use the individual Precisometer datasheet for power-density limits, pulse conditions, attenuation, response time, cooling and electrical requirements.



Model	Optical power range	Wavelength range	Active area
TS2-USB	2 mW - 2 W	0.19-25 μm	22 mm
TS5-USB	2 mW - 5 W	0.19-25 μm	22 mm
TS15-USB	2 mW - 15 W	0.19-25 μm	22 mm
TS35-USB	10 mW - 35 W	0.19-25 μm	22 mm
TS50-USB	10 mW - 50 W	0.19-25 μm	22 mm
TS100-USB	0.5 W - 100 W	0.19-25 μm	25 mm
TS200-USB	0.5 W - 200 W	0.19-25 μm	25 mm
TS100-40-USB	0.5 W - 100 W	0.19-25 μm	40 mm
TS300-USB	0.5 W - 300 W	0.19-25 μm	25 mm
HS1-USB	100 μW - 1 W	0.19-20 μm	9 mm
HS5-USB	100 μW - 5 W	0.19-20 μm	9 mm
PD100-350-USB	1 nW - 100 mW	350-1100 nm	9.5 mm
PD1000-350-USB	1 nW - 1000 mW	350-1100 nm	9.5 mm
PD100-350T-USB	1 nW - 100 mW	350-1100 nm	10 $\times$ 10 mm
PD1000-350T-USB	1 nW - 1000 mW	350-1100 nm	10 $\times$ 10 mm
PD20-200-USB	1 nW - 20 mW	200-1100 nm	9.5 mm
PD1000-200-USB	1 nW - 1000 mW	200-1100 nm	9.5 mm
PD20-200T-USB	1 nW - 20 mW	200-1100 nm	10 $\times$ 10 mm
PD1000-200T-USB	1 nW - 1000 mW	200-1100 nm	10 $\times$ 10 mm
PD3000-350-USB	1 μW - 3000 mW	350-1100 nm	12 mm
PD10-800-USB	1 μW - 10 mW	800-1800 nm	9.5 mm
PD1000-800-USB	1 μW - 1000 mW	800-1800 nm	9.5 mm

Total power, average power density and pulse energy density are separate limits. Higher photodiode power ratings require the specified attenuator. The 700 W thermopile requires water cooling. A series range does not apply to every sensor.

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