S140 Series Integrating Sphere Photodiode Sensor Heads
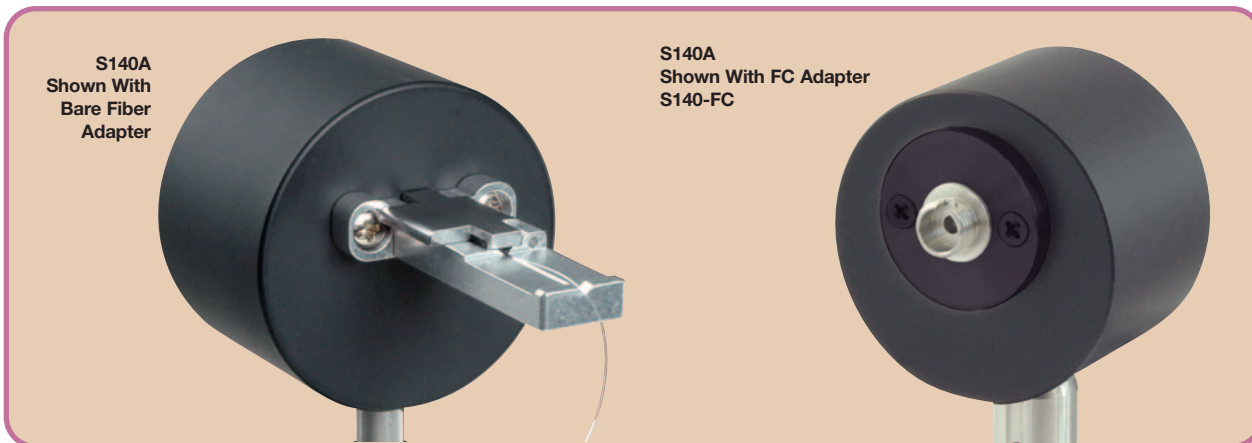
S140A
Shown With
Bare Fiber
Adapter

S140A
Shown With FC Adapter
S140-FC

Sensor Features

- Power Range: 1µW to 1W
- Input Aperture Ø5mm
- Wavelength Range:
  S140A: 400-1100nm
  S144A: 800-1700nm
- Sensor Type: Si or InGaAs
- Compact Design

The S140 Integrating Sphere Sensor Series is designed to enable precise measurements independent of beam shape and entrance angle. Sphere sensors are especially useful for measuring highly divergent beams exiting optical fibers or for higher power beams up to 1W.

Bare Fiber Adapter Features

- Power Measurement of Bare Fiber Outputs
- Easy Loading and Positioning of Optical Fiber in V-Groove
- Supports Fiber With Buffer Diameters from 250 to 450µm
- Screws onto S140A/S144A Integrating Spheres
- Rubber Padding Provides Excellent Holding Force Without Damaging Fiber

S140-FC   **S140-SMA**   **S140-SC**
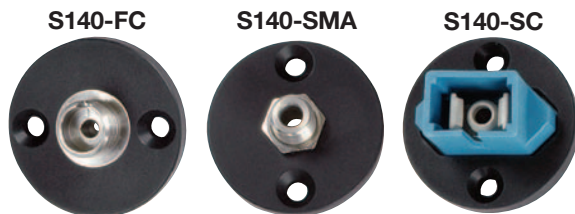
The sensor includes a S140-FC fiber adapter for both FC/PC and FC/APC connectors as well as protective port caps that can also be user-modified for custom applications.

Most industry standard fiber adapters, including FC, SC, SMA, and bare fiber, are available as accessories and can be easily installed.

ITEM#	$	£	€	RMB	DESCRIPTION
S140A	$ 650.00	£ 409.50	€ 604,50	¥ 6,207.50	Integrating Sphere, Si, 400-1100nm, 1mW-1W. FC Adapter
S144A	$ 750.00	£ 472.50	€ 697,50	¥ 7,162.50	Integrating Sphere, InGaAs, 800-1700nm, 1mW-1W, FC Adapter
S140-BFA	$ 120.00	£ 75.60	€ 111,60	¥ 1,146.00	Bare Fiber Adapter for Integrating Sphere
S140-SMA	$ 26.00	£ 16.40	€ 24,20	¥ 248.30	SMA Fiber Adapter for Integrating Sphere
S140-FC	$ 26.00	£ 16.40	€ 24,20	¥ 248.30	FC Fiber Adapter for Integrating Sphere (Included with the Integrating Sphere)
S140-SC	$ 33.00	£ 20.80	€ 30,70	¥ 315.20	SC Fiber Adapter for Integrating Sphere

Interface Cable USB to Serial Converter

The cable enables electronic access to the PM100 and PM30 power meters via a USB interface. The cable has a sub-D connector that includes the USB to serial converter on one end and a USB connector on the other end. The console has a built-in RS-232 interface and comes with a comprehensive software package. For more information on PM100 and PM30 Series, see pages 951-952.

ITEM#	$	£	€	RMB	DESCRIPTION
CABUSR	$ 32.50	£ 20.50	€ 30,20	¥ 310.40	USB to RS232 Converter

THORLABS