

# Biospherical Instruments Inc.

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SCALAR PAR SENSORS		
Model Number	Description	Domestic Price
<b>Scalar PAR Profiling System</b>	<b>Scalar PAR Profiling System.</b> Measures scalar PAR irradiance (Photosynthetically Available Radiation; 400-700 nm) and depth to 200meters. System components include: BIS-2101D Scalar PAR Sensor with depth channel, QSR-2100 Reference PAR Sensor, DSM-2100 Digital Signal Manifold, 100 meters of underwater cable, 20 meters of reference cable, Stainless-steel Lowering Frame and Windows®-based "LOGGER light" data-acquisition software.	<b>\$5,995</b>
<b>BIS-2101D</b>	<b>Scalar PAR Profiling Sensor with internal depth channel.</b> this compact instrument measures underwater scalar PAR (Photosynthetically Available Radiation; 400-700 nm) and depth to 100 meters. The BIS has a digital signal output, allowing direct connection to a PC or laptop computer. LOGGER-light, data-acquisition software is included. Order Separately: QSC-2100 cable (required) and lowering frame .	<b>\$2,995</b>
<b>BIS-2101P</b>	<b>Scalar PAR Profiling Sensor with internal depth and temperature channels,</b> this compact instrument measures underwater scalar PAR (Photosynthetically Available Radiation; 400-700 nm), water temperature, and depth to 100 meters. The BIS has a digital signal output, allowing direct connection to a PC or laptop computer. LOGGER-light, data-acquisition software is included. Order Separately: QSC-2100 cable (required) and lowering frame .	<b>\$3,995</b>
<b>QSP-2100</b>	<b>Scalar PAR Sensor with digital signal output,</b> allowing direct connection to a PC or laptop computer. Measures underwater scalar PAR (Photosynthetically Available Radiation; 400-700 nm) irradiance. Logger-2100, data-acquisition software is included for live display or time series logging of calibrated values. This sensor may operate to distances of 250 meters from the host PC. Order Separately: DSM-2100 signal manifold, QSP-210 lowering frame, and QSC-2100 cable (required).	<b>\$1,125</b>
<b>New Product</b> <b>QSP-2150</b>	<b>Scalar PAR Sensor with ASCII signal output.</b> Measures underwater scalar PAR (Photosynthetically Available Radiation; 400-700 nm) irradiance. This sensor outputs data in ASCII format, allowing integration with third-party data-acquisition systems.(Contact factory for details)	<b>\$1,126</b>
<b>QSP-2200</b>	<b>Scalar PAR Sensor with analog signal output.</b> Measures underwater scalar PAR (Photosynthetically Available Radiation; 400-700 nm) irradiance. Can be deployed in depths up to 2000 m. This analog output sensor is compatible with most commercially available CTD's and dataloggers. Order Separately: QSP-210 lowering frame, and PSC-305 cable.	<b>\$1,125</b>
<b>QSP-2200PD</b>	<b>Scalar PAR Sensor with Photo-Detector only.</b> This specialised sensor has no internal signal processing and outputs a current, proportional to incident PAR (Photosynthetically Available Radiation 400-700nm). This scalar sensor is calibrated for underwater use and rated to depths of 2000m. Note: The QSP-2200PD is intended for use with a CTD system.	<b>\$1,125</b>
<b>QSP-2300</b>	<b>Log Output Scalar PAR Sensor.</b> For use with 12 bit ADC systems. Single channel analog output voltage is proportional to the log of incident PAR (Photosynthetically Available Radiation; 400-700 nm) irradiance. Designed specifically for users of CTD and other limited-range data acquisition systems. For depths up to 2000 m. Order Separately: QSP-210D lowering frame and PSC-305 cable.	<b>\$1,599</b>
<b>New Product</b> <b>QSP-2350</b>	<b>Log Output Scalar PAR Sensor.</b> Single channel analog output voltage is proportional to the log of incident PAR (Photosynthetically Available Radiation; 400-700 nm) irradiance. This sensor model is equipped with Impulse #MCBH-4-M bulkhead connector and is designed specifically for users of CTD and other limited-range data acquisition systems. For depths up to 2000 m. (Contact factory for details.)	<b>\$1,624</b>
<b>QSR-2100</b>	<b>Scalar PAR Surface Reference with digital signal output,</b> allowing direct connection to a PC or laptop computer. Measures 2pi hemispherical scalar PAR (Photosynthetically Available Radiation; 400-700 nm) irradiance above the water surface. This sensor may operate to distances of 250 meters from the host PC. Logger-2100, data-acquisition software is included for live display or time-series logging of calibrated values. Order Separately: QSC-2145 cable	<b>\$1,345</b>
<b>New Product</b> <b>QSR-2150</b>	<b>Scalar PAR Sensor with ASCII signal output.</b> Measures 2pi hemispherical scalar PAR (Photosynthetically Available Radiation; 400-700 nm) irradiance above the water surface. This sensor outputs data in ASCII format, allowing integration with third-party data-acquisition systems.(Contact factory for details) Order Separately: QSC-2145 cable	<b>\$1,345</b>
<b>QSR-2200</b>	<b>Scalar PAR Surface Reference with analog signal output.</b> Measures 2pi hemispherical scalar PAR (Photosynthetically Available Radiation; 400-700 nm) irradiance above the water surface. This analog output sensor is compatible with most commercially available CTD's and dataloggers. Order Separately: QSC-2245 cable.	<b>\$1,345</b>
<b>QSC-2100</b>	Underwater Shielded Cable with Kevlar® reinforcement, for digital output sensors QSP, QSPL, QCP, MCP and BIC radiometers. Standard lengths are 100, 50 and 25 m. Contact factory for custom lengths. Priced as base molding charge plus cost per meter of cable.	<b>\$400 + \$8.25/m</b>
<b>QSC-2105</b>	Underwater Power-data Cable for digital output QSPL sensors. This cable has no internal reinforcement and it is not suitable for load-bearing applications. The maximum length of this cable is 100M. Priced as base molding charge plus cost per meter of cable.	<b>\$300+\$12.50/m</b>
<b>PSC-305</b>	Underwater Shielded Cable with Kevlar® reinforcement. For analog output QSP and QCP-2200 or 2300 sensors. Standard lengths are 100, 50, and 25 m. Contact factory for custom lengths. Priced as base molding charge plus cost per meter of cable.	<b>\$200 + \$8.25/m</b>
<b>QSC-2145</b>	Weather-resistant Shielded Cable for digital output QSR, QCR and MCR-2100 surface sensors. Priced as base molding charge plus cost per meter.	<b>\$150 + \$1.75/m</b>
<b>QSC-2245</b>	Weather-resistant Shielded Cable for analog output QSR or QCR-2200, surface sensors. Priced as base molding charge plus cost per meter.	<b>\$150 + \$1.75/m</b>