

- 2021: Biospherical Instruments Inc. (BSI) introduces the MPE-PAR for high-dynamic range optical measurements on Argo profilers and other autonomous platforms. The MPE-PAR (MICRO Class, Profiling (in-water), E (irradiance) PAR sensor) is a fifth-generation sensor that is sensitive over the Photosynthetically Active Radiation (PAR) spectral range (400-700 nm). The MPE-PAR has been optimized for integration into Argo profiling floats and features low mass and low power consumption. It combines the huge dynamic range of about 10 orders of magnitude and excellent signal-to-noise ratio of BSI's microradiometer technology with the proven performance and ruggedness of BSI's line of Q-Series PAR sensors.

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2019: Biospherical Instruments Inc has now released the newest member of the Expandable Technology for Radiometric Applications (XTRA) class of high performance field instruments called the XTRA Reflectance Radiometers (XRR). The XRR is an economically priced multiwavelength radiometer for determining apparent optical properties in aquatic systems.

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2013: C-PrOPS: Compact-Propulsion Option for Profiling Systems. C-PrOPS is an auxiliary technology that adds dual thruster-based dynamic positioning to the deployment package known as C-OPS. The Compact Thruster Remote Accessory (C-TRAC) is a wireless unit to control C-PrOPS.

- 2010: Biospherical Instruments has released the GUVis-3511, the latest member of BSI's line of atmospheric radiometers. The GUVis-3511 is based on BSI's proprietary microradiometer technology and available with up to 19 channels, ranging from 305 to 1,640 nm. The instrument can also be equipped with a shadowband accessory to determine the direct solar irradiance. Depending on configuration, the GUVis-3511 affords the measurement of the UV Index and the retrieval of aerosol optical depth, cloud optical thickness, and total column ozone. [Click here for more information.](#)

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