through plugs with standard ST-connectors to the FireSting O2 Mini.

A stainless steel rod (8 mm diam.) with adjustable holders and aligned with the X-direction of the ADV, positioned the two optodes at a 45-degree downward angle such that their measuring tips were located at 30 mm horizontal distance from the lower edge of the ADV measuring volume and 10 mm horizontally apart from each other.

A PAR-light sensor (Odyssey® Submersible Photosynthetic Active Radiation Logger) installed above the ADV logged light intensity at 5-minute intervals throughout the deployments.

An Anderaa Seaguard RCM multisensory probe, installed with its sensors at the same height as the ADV measuring volume at 5 m distance from the tripod, recorded oxygen and temperature reference data.