

INFRASTRUCTURE/FACILITY	<i>Infrastructure for Marine Research Unit</i>
INFRASTRUCTURE/FACILITY	<i>IRM</i>
LOCATION OF INFRASTRUCTURE/FACILITY	Stazione Zoologica Anton Dohrn Sede di Portici
LEGAL NAME OF OWNER ORGANIZATION	Stazione Zoologica Anton Dohrn
COUNTRY	Italia
CONTACT	Augusto Passarelli augusto.passarelli@szn.it

DESCRIPTION

The SBE 19 Plus V2 is a compact, self-contained CTD (Conductivity, Temperature, Depth) profiler manufactured by Sea-Bird Scientific, designed for coastal and deep-sea oceanographic research. It is a highly reliable and accurate instrument widely used in environmental monitoring, academic research, and operational oceanography. Deployment Applications: Moored or tethered for continuous monitoring;-Free-fall profiling-Integration with small rosette systems for water sampling

RI/ Facility participating in an ERIC	NO	ERIC N/A
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INSTRUMENTS AND AUXILIARY EQUIPMENT

Instrument/ Auxil. Equip.	Measured Parameter(s)	Elevation / Depth	Sampling	Frequency of data recovery
SBE 19 Plus	Conductivity	0-600m	4 Hz	Real-Time or internal datalogging
SBE 19 Plus	Temperature	0-600m	4 Hz	Real-Time or internal datalogging
SBE 19 Plus	Pressure	0-600m	4 Hz	Real-Time or internal datalogging
SBE 18	pH	0-1200m		Real-Time or internal datalogging
SBE 43	O2	0-600m		Real-Time or internal datalogging
Cyclops C7 C	Fluorescence	0-600m		Real-Time or internal datalogging
Cyclops C7 T	Turbidity	0-600m		Real-Time or internal datalogging
C-Star	Transmittance	0-6000m		Real-Time or internal datalogging

DESCRIPTION

The SBE 911 Plus V2 is a high-precision CTD (Conductivity, Temperature, Depth) probe manufactured by Sea-Bird Scientific, widely used for oceanographic sampling. It is one

of the most advanced and reliable instruments for measuring the physical properties of seawater, primarily employed in scientific research and environmental monitoring. Integrates with rosettes for Niskin bottles, allowing water sampling at different depths. This probe is the industry standard for oceanographic research campaigns, providing highly accurate data for studies on climate, ocean currents, and water quality.

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INSTRUMENTS AND AUXILIARY EQUIPMENT

Instrument/ Auxil. Equip.	Measured Parameter(s)	Elevation / Depth	Sampling	Frequency of data recovery
SBE 4	Conductivity	0-10000m	24 Hz	Real-Time
SBE 3 plus	Temperature	0-10000m	24 Hz	Real-Time
SBE Digi Quartz	Pressure	0-10000m	24 Hz	Real-Time
SBE 27	pH	0-1200m		Real-Time
SBE 43	O2	0-7000m		Real-Time
EcoFI	Fluorescence	0-7000m		Real-Time

C-Star	Transmittance	0-6000m		Real-Time
QCP 200L	PAR (Photosynthetically Active Radiation)	0-1000m		Real-Time

DESCRIPTION

Teledyne RDI Sentinel V100 is a high-performance Acoustic Doppler Current Profiler (ADCP) designed for precise water current measurements in both coastal and deep-sea environments. Manufactured by Teledyne RD Instruments (RDI), the Sentinel V100 offers advanced current profiling capabilities for oceanographic research, environmental monitoring, and operational applications.

RI/ Facility participating in an ERIC	NO	ERIC <i>N/A</i>
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INSTRUMENTS AND AUXILIARY EQUIPMENT

Instrument/ Auxil. Equip.	Measured Parameter(s)	Elevation / Depth	Sampling	Frequency of data recovery
Sentinel V 100	Water velocity and direction at multiple depth layers conductivity	Up to 100m (depending on conditions)	300 kHz	Real-Time or internal datalogging

DESCRIPTION

The LSILASTEM meteorological station is an advanced environmental monitoring system designed for precise measurement of atmospheric parameters. Equipped with high-accuracy sensors, it provides real-time data for climate research, meteorology, and environmental monitoring.

RI/ Facility participating in an ERIC	NO	ERIC <i>N/A</i>
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INSTRUMENTS AND AUXILIARY EQUIPMENT

Instrument/ Auxil. Equip.	Measured Parameter(s)	Elevation / Depth	Sampling	Frequency of data recovery
Temperature and Humidity	Temperature and Humidity	20 meters above sea level	Every 10 min	Internal data logger every 10 min
Atmospheric Pressure	Atmospheric Pressure	20 meters above sea level	Every 10 min	Internal data logger every 10 min
Wind Speed and Direction	Wind Speed and Direction	20 meters above sea level	Every 10 min	Internal data logger every 10 min
Precipitation (Rain Gauge)	Precipitation (Rain Gauge)	20 meters above sea level	Every 10 min	Internal data logger every 10 min
Global Solar Radiation (Pyranometer)	Global Solar Radiation (Pyranometer)	20 meters above sea level	Every 10 min	Internal data logger every 10 min
PAR (Photosynthetic ally Active Radiation)	PAR (Photosynthetic ally Active Radiation)	20 meters above sea level	Every 10 min	Internal data logger every 10 min
UVA and UVB Radiation	UVA and UVB Radiation	20 meters above sea level	Every 10 min	Internal data logger every 10 min

ACCESS PROVIDED

Definition

- *Remote: the requested facility is operated by the owner's staff the presence of the user team is not required,*

- *Physical (In person/hands-on): the presence of the user team is required/recommended during the whole operation period*
- *Partially remote: the presence of the user team is required at some stage (e.g. installing and un-installing, sample collection and storage).*

Can be used by Remote or by Physical

SPECIAL REQUIREMENTS

Num of access/Call;	
Max period granted in the year:	To be defined
Exclusion Periods in the year:	National holidays
Max period granted per single user team (working day; days for R/V)	To be defined
Max num of user team members admitted	4
Admin/Safety requirements for the user team (free itemized text)	
Min # days/months of notice to the RI Resp/PI for preparing the access	60 days in advance
Geographical Areas where RI/facility access is granted to user teams	Italian seas