

FLEXIBLE, COST-EFFECTIVE HIGH PERFORMANCE OCEANOGRAPHIC DATA LOGGER WITH REMOTE COMMUNICATION

- * For private companies, fish farms, authorities, universities, etc.
- * General purpose marine research, monitoring and surveillance
- * Interface sensors like Nortek ADCP, SeaBird CTD, AirMar, TRIOS, etc.
- * All data stored on internal memory card for back-up



Right: MiniMoose+, here with several SubCon UW connectors.
Left: MiniMoose, here with LoRa antenna connector.

- * Can be installed on almost any type of existing substrate/buoy
- * Remote communication: Cellular, Satellite, LoRa or radio.
- * Small size and very low power consumption

MiniMoose/MiniMoose+ from Ocean Origo is a flexible, small, rugged, high performance met-ocean data logger with remote communication capacity. Its small size, low power consumption and great flexibility makes it ideal also for installation on platforms-of-opportunity like navigational buoys, underwater substrates, fish farm equipment, etc. It is capable of interfacing met-ocean sensors like acoustic current meters, CTDs, GNSS/GPS, weather stations, etc. Sensor data is transmitted via satellite, cellular net, ZigBee or LoRa radio (customer's choice) and may optionally be graphically presented on web page in near-real-time. Remote re-configuration is also possible. MiniMoose can be installed on almost any type of buoy/substrate. Select 'MiniMoose+' for underwater applications while 'MiniMoose' usually is sufficient for surface buoy applications. External power (7-35 VDC) is needed and can be supplied by Ocean Origo at cost. Major job sectors are: Marine research, fish farms, engineering, operational oceanography, ports, etc.

Customers may integrate MiniMoose to their existing infrastructure (substrate/buoy/sensor/power supply) by themselves or - if customer so prefer - Ocean Origo may take full response for the integration at cost.

Dimension	MiniMoose: W x D x H = 120 x 150 x 90 mm. Weight 0.5 kg. MiniMoose+: D x H = 130 x 100 mm. Weight 1.3 kg
Max. Depth	MiniMoose+: 400 m. MiniMoose: 1 m for 1 hour. IP68
Power	External power 7-35 VDC.
Sensor and device power	7 x internal power circuits ranging from 1 V up to battery voltage.
Sensor interfaces	5 x RS232, 1 xRS485, 6 xDigital 3.3V, I2C, AD converter (0-3.3 V)
Integration and configuration	May be carried out by customer or by Ocean Origo at cost
Scope of delivery	MiniMoose incl. remote communication according to customer's choice (LTE/4G, Iridium, ZigBee or LoRa), 16 GB micro SD memory card, manual and PC communication cable.
Options	<ul style="list-style-type: none"> • Battery pack (IP68 or 400 m depth rating) • Sensors and sensor integration • Integration to customer's buoy/platform. • Larger micro-SD data memory card, up to 1 TB. • Ocean Origo's www-based graphic interface. View real-time data on www-site. • Data presentation on ViVa, an internet service operated by the Swedish authority 'Sjöfartsverket'. (Swedish customers)