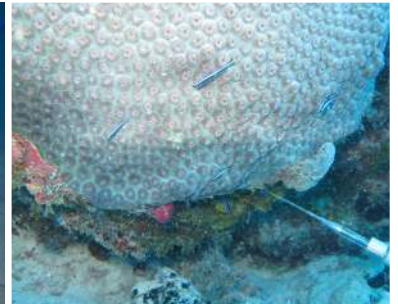


ENABLING
MICROSCALE
RESEARCH



Unisense Field DataLogger Mini

One Simple, Smart and Small Field DataLogger for your measuring needs

Our Field DataLogger Mini offers you a cost effective way of applying all our sensors *in situ*. With deepsea rating to 6000 m and long battery life, you can now deploy our sensors in applications that earlier was impossible.

- 6000 m depth rating
- 2 or 4 channel versions available
- Up to 3 months of deployment time
- Measure ultra low oxygen
- Export for SensorTrace Logger and CSV file
- Works with all Unisense electrochemical sensors

Measure Ultra-Low Oxygen Concentration (<10 nM) with using our STOX sensor

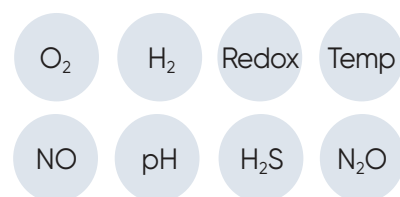
The Field DataLogger Mini offers full STOX support and enables studies of ultra-low oxygen concentrations in e.g. oxygen minimum zones and other environments containing ultra-low oxygen. The STOX microsensor differs from the standard oxygen microsensor in having automatic zero calibration.

This setup enables the sensor to measure extremely low oxygen concentrations with a detection limit of <10 nM.



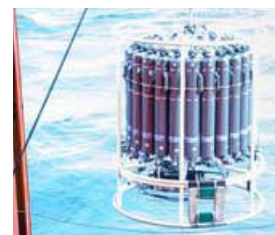
Measure unique analytes

Measure H₂S, O₂, pH, Redox, H₂, NO and N₂O (50 m depth only). The Field DataLogger Mini allows studies of unique analytes, plus studies utilizing fast responding sensors (seconds), giving you an opportunity to monitor and obtain unique data in a cost-effective way.



Link to ADV's, CTD's and other platforms

The flexibility of our FieldDataLoggerMini enables you to integrate it into your current platform. Power your Field DataLogger Mini from your CTD, ADV or other source using a 6-28 V supply, and store and synchronize your measured data on your device via our RS-232 or 0-4 V analog output!



Easy setup and data export

Connect sensors, apply polarization and run! After deployment, import data into SensorTrace Logger for visualization of raw and calibrated values. SensorTrace Logger allows you to export into e.g. Excel for further analysis.



SPECIFICATIONS

	FIELD DATA LOGGER MINI
CONTROLLER UNIT	
Housing	9.5 cm OD x 28 cm
Volume	1.98 L
Weight - Air (Water)	4.4 Kg
Operating Temperature	-10 - 60 °C
Depth range	0-6000 m
CPU (Memory)	180 MHz
Data Storage	8 GB

BATTERY CAPACITY	13 Ah @ 7.4 V
Deployment time	up to 20 days @ 25 °C
EXT. BATT. CAPACITY	2x13 Ah @ 7.4 V
Deployment time	adds up to 40 days @ 25 °C
DIRECT POWER SUPPLY	Yes 16-28 V
DIGITAL OUTPUT	RS-232
ANALOG OUTPUT (OPTIONAL)	0-4 V
ANALOG-TO-DIGITAL CONVERTER	
Resolution	16 bit
Logging Interval	1 sec., 10 sec., 1 min.
Channels	2 or 4, STOX optional
Input Range	± 6 V
UNISENSE MICROSENSOR AMPLIFIERS FOR pA AND mV SENSORS	
Response time $t_{90\%}$	< 40 ms
Integrated input noise current (peak - peak)	0.1 pA, 0.1 mV
SOFTWARE	SensorTrace Logger
WARRANTY	1 year



FOR MORE INFORMATION:

WWW.UNISENSE.COM

SALES@UNISENSE.COM