

DATABANK

Handheld Datalogger



PRODUCT HIGHLIGHTS

- Stores up to 9,999 records and 16 calibrations
- Includes auto-gain function
- Simplifies sensor calibration
- Integrated internal GPS

The DataBank is a rugged and self-contained universal meter, datalogger, GPS and power supply. Used with Cyclops or C-FLUOR Submersible Sensors, sensor calibration and operation are simple.

The DataBank records high-frequency data which may be downloaded and graphically displayed on a PC. Sensor power is provided directly from the DataBank's internal rechargeable battery. Various sensor cable lengths are available to allow sampling at different depths.

GPS data are integrated into the DataBank. Each line of data that is stored or exported contains time, date, and position information as well as the sample measurement. Integrated GPS data are important when conducting dye trace studies, mapping algal blooms or looking for the presence of optical brighteners as an indicator of wastewater contamination. Small and lightweight, the DataBank is ideal for remote field work.

WHO WE ARE

Since 1972 Turner Designs has provided over 75,000 sensitive, reliable and easy-to-use fluorimeters for environmental and industrial uses. We specialize in sensitive detection of materials with fluorescence properties. With distributors around the world, we provide free technical support for the life of our instruments.

ELECTRICAL SPECIFICATIONS

Selectable Sensor Parameters:

Voltage: Software selectable 3 to 12V

Warm-up Time: 0 - 5 minutes

4 Programmable ranges (Cyclops)

Inputs:

Range: 0-5V or 0-20 mA

Resolution: 12 bits

Storage: Non-Volatile, 1280 kb

(9,999 records, 1 record = sensor reading, date, time and location)

Current Draw:

Total: ≤ 120 mA

Sleeping ≤ 65 μ A

Global Navigation: GPS & GLONASS

Horizontal Position Accuracy = 2.5m

Battery Life: Continuous up to ~15 hours (dependant on sensor/settings) with GPS data collection continuous up to ~5 hours

Charge Time: <3 hours (for a fully discharged battery; ambient @ 25 degrees C). Slow charge recommended to extend battery life

Communications: USB

PHYSICAL SPECIFICATIONS

(without cable)

Size: Main body: 4.6"W x 3.2"H, x 3.4"D,
117mm W x 81mm H x 86 mm D

Handle: 4.8", 122mm long

Overall: 11", 279 mm H with handle, strain-relief and connector.

Weight: 1.7lb, .76kg