

# DataBank™

## Handheld Datalogger



### DataBank Handheld Datalogger

The DataBank is a rugged and self-contained universal meter, datalogger, GPS and power supply. Used with Cyclops 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.



### DataBank Highlights

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

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.

### DataBank Electrical Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Selectable Sensor Parameters</b> | Voltage: Software selectable 3 to 12 volts<br>Warm-up Time: 0 - 5 minutes<br>4 Programmable ranges                  |
| <b>Inputs</b>                       | Range: 0-5V or 0-20 mA<br>Resolution: 12 bits   |
| <b>Storage</b>                      | Non-Volatile, 1280 kb<br>(9,999 records, 1 record = sensor reading, date, time and location)                        |
| <b>Current Draw</b>                 | Total: <=120 mA; Sleeping <=65 µA   |
| <b>Global Navigation</b>            | GPS & GLONASS<br>Horizontal Position Accuracy = 2.5m  |
| <b>Battery Life</b>                 | Continuous up to ~15 hours (dependant on sensor/settings)<br>with GPS data collection continuous up to ~5 hours     |
| <b>Charge Time</b>                  | <3 hours (for a fully discharged battery; ambient @ 25 degrees C)<br>Slow charge recommended to extend battery life |
| <b>Communications</b>               | USB   |

### DataBank Physical Specifications

|               |   |
|---------------|---|
| <b>Size</b>   | Main body: 4.6"W x 3.2"H, x 3.4"D, Handle: 4.8" long<br>(117mm W x 81mm H x 86 mm D, Handle: 122mm)<br>Overall: 11"H (279 mm H) with handle, strain-relief and connector. |
| <b>Weight</b> | 1.7 lb. (.76 kg) w/o cable  |

### Ordering Information

All instrument packages include GPS, rechargeable NiMH batteries, PC/Power USB interface cable, AC to DC charger supply, and software.

| BASE INSTRUMENT                           | PART NUMBER |
|---|-------------|
| DataBank Handheld Datalogger              | 2900-199    |
| CYCLOPS CABLE OPTIONS                     | PART NUMBER |
| 0.6 Meter Pigtail Cable w/ Locking Sleeve | 105-0580    |
| 5 Meter Pigtail Cable w/ Locking Sleeve   | 105-0585    |
| 10 Meter Pigtail Cable w/ Locking Sleeve  | 105-0581    |
| 25 Meter Pigtail Cable w/ Locking Sleeve  | 105-0582    |
| 50 Meter Pigtail Cable w/ Locking Sleeve  | 105-0583    |
| DATABANK ACCESSORIES                      | PART NUMBER |
| Travel Case                               | 142-2900    |
| Car Charger                               | 2900-151    |

### Contact Us

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