DataBank
Handheld Datalogger

TURNER DESIGNS

DataBank Handheld Datalogger

The DataBank is a universal handheld meter, datalogger, and power supply. Designed to work with analog sensors from various manufacturers, the DataBank is easy to connect and use. Data, including GPS information, can be stored and downloaded to a PC. Sensor calibration is simplified through continuous sensor readings with results graphically displayed. Sensor power is provided directly from the DataBank, eliminating the need to connect external batteries. Designed with the customer in mind, the DataBank allows one-handed operation – even while wearing gloves.

Highlights of the DataBank

• Stores up to 9,999 records and 16 calibrations

• Includes auto-gain function

• Enables unattended datalogging at intervals from 1 second to 4 days

• Simplifies sensor calibration

• Provides rugged, weather-proof design

• GPS-enabled for Garmin GPS units with serial and text out functions

• Works with many analog sensors including Seapoint Sensors, WET Labs and Campbell Scientific

DataBank Electrical Specifications

Selectable Sensor Parameters	Voltage: Software selectable 3 to 12 volts Current: 150 mA at 3V to 100 mA at 12V Warm-up Time: 0-25 seconds Gain: 1-4
Inputs	Input Selection: Switch; *Differential Voltage, Differential Current or Dual Current* Range: 0-5V or 0-25 mA Resolution: 12 bits Sampling Rate: 1000 Hz (bursts); groups of bursts re-averaged @ 30 Hz
Outputs	Two, Open Drain, up to 200 mA @ 15V max (Used primarily for gain selection)
Storage	Non-Volatile, 1280 Kb (9,999 records, 1 record = sensor reading, date, time and location)
Current Draw	Computer: <=45 mA (at full charge). Sleeping <20 uA LCD Backlight: Full power ~ 30 mA. Low Power ~ 15 mA
Battery	Type: NiMH rechargable, 4.8 volts, 4,000 mA/Hr. User-replaceable Life: Continuous up to 70 hours (dependant on sensor)
Charge Time	~3 hours (for a fully discharged battery; ambient @ 25 degrees C)
Serial Communications	RS-232
GPS Power	3.3 VDC @ up to 300 mA; If DataBank is off, GPS is self-powered Note: Some GPS units cannot be powered by the DataBank

Ordering Information

INSTRUMENT	PART NUMBER
All instrument packages include rechargeable NiMH batteries, PC/Power interface cable, AC to DC charger supply, software & manual	
DataBank Handheld Datalogger For use with many analog sensors	2900-000
DataBank Handheld Datalogger with 2ft Cyclops Interface Cable	2900-002
DataBank Handheld Datalogger with 5m Cyclops Interface Cable	2900-005
DataBank Handheld Datalogger with 10m Cyclops Interface Cable	2900-010
DataBank Handheld Datalogger with 25m Cyclops Interface Cable	2900-025
DataBank Handheld Datalogger with 50m Cyclops Interface Cable	2900-050
DATABANK ACCESSORIES	**PART NUMBER**
Travel Case	142-2900
GPS Mounting Bracket for Garmin eTrex	2900-400
GPS Mounting Bracket for Garmin Geko	2900-401
External Power Option	2900-940
Car Charger	2900-151
Other GPS & sensor cables available	

DataBank Physical Specifications

Size	Main body: 4.6"W x 3.2"H, x 3.4"D, Handle: 4.8" long Overall: 11"H (with handle, stain-relief and connector).
Weight	1.7 lb. (.76 kg) w/o GPS
Weatherproof	Case IP65, connector IP68, buttons IP64.

Contact Us

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