

DT80 Series 2

Data Logger

dataTaker®

Intelligent Data Logging Products

- USB memory for easy data & program transfer
- Dual Channel Isolation Technology
- 2 Serial 'Smart Sensor' ports
- User Definable allocation of memory size & mode
- Web Interface
- FTP for automatic data transfer
- Modbus for SCADA connection
- SDI-12 (multiple networks)
- Up to 15 Analog ($\pm 30V$) sensor inputs
- 12 Flexible Digital channels



Specifications

The Smarter Solution

The *dataTaker DT80* is a smart data logger that provides an extensive array of features that allow it to be used across a wide variety of applications. The *DT80* is a robust, stand alone, low power data logger featuring USB memory stick support, 18 bit resolution, extensive communications capabilities and built-in display. The *dataTaker DT80's* Dual Channel concept allows up to 10 isolated or 15 common referenced analog inputs to be used in many combinations.

With support for multiple SDI-12 sensor networks, Modbus for SCADA systems, FTP and Web interface, 12V regulated output to power sensors, the *DT80* is ready to be rolled out into environmental, industrial and many other types of monitoring projects.

Versatile Measurement

Analog and digital channels, high-speed counter inputs, phase encoder inputs and programmable serial sensor channels allow the *DT80* to easily connect to most sensors and data measurement sources. Temperature, voltage, current, 4-20mA loops, resistance, bridges, strain gauges, frequency, digital, serial and calculated measurements can all be scaled, logged and returned in engineering units or within statistical reporting. Group sampling, logging, alarm and control tasks within schedules to suit your requirements. Smart sensors, GPS, PLCs and other intelligent devices are supported via 2 serial sensor ports (RS232 or RS422/485), with our optional *CANgate* interface available for CAN bus applications.

Manage a variety of sensors or devices using the Sensor Power options via dedicated power output, digital outputs or the latching relay configurations.

Superior Data Storage and Communications

Store up to 5 million data points in user defined memory, log as much or as little as you need with independent control of schedule size and mode. Overwrite or stop logging once allocated memory is full. Archive data on alarm event, copy to USB memory or transfer via FTP, the choice is yours.

Communications features include RS232 with modem support, USB, Ethernet and USB memory stick ports. Connect to the *DT80* locally, remotely or over the Internet. The web interface allows users to configure the *DT80*, access logged data and see current measurements as mimics or in a list using a web browser. FTP provides data to your office over the internet or mobile phone network, without the need for polling or specific host software.

Take the next step and experience the *DT80* by contacting your local distributor or *dataTaker* office.

Applications include:

- Research & Development
- Agricultural Research
- Weather Stations
- Total Energy Monitoring
- Environmental Monitoring
- Temperature Profiling
- Thermistor Arrays
- Aquaculture
- Structural Monitoring
- Strain Gauges
- Process Monitoring
- Fault Identification
- Machine Down Time
- Pressure
- Load Cells
- Flow
- Vehicle Testing
- GPS
- *CANgate* (optional)
 - CAN bus
 - J1939
 - OBDII

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