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Регистраторы данных dataTaker® серии DT8x



The dataTaker® DT8x series are intelligent data loggers that provides an extensive array of features allowing them to be used across a wide variety of applications.

The DT8x 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 or for the DT85 32 isolated or 48 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 DT8x is ready to be installed into environmental, industrial and many other types of monitoring projects.

- DT82E 2-6 universal inputs
- DT82I 2-6 universal inputs
- DT80 5-15 universal inputs
- DT85 16-48 universal inputs
- Expandable Analogue channels using CEM20. DT80 up to 300 and DT85 up to 900
- USB memory for easy data and program transfer
- Flexible communications (USB, Ethernet and RS232)
- Various remote connection options eg dial up modem and gprs

Key Features

- Standalone data logger with link to a PC
- Dual channel isolation technology
- User definable allocation of memory size and mode
- Expandable to 900 universal analogue channels (with CEM20's attached to a DT85)
- 8 digital input/output channels
- 12 counter inputs (4 high speed) and 2 phase encoders
- Calculated measurements
- SDI-12 (multiple networks)
- 2 serial 'smart sensor' ports
- Modbus for SCADA connection
- Memory of approximately 10 million data points
- FTP for automatic data transfer
- Web Interface

Analogue inputs supported

- Thermistors
- Thermocouples
- PT100/PT1000
- Voltage
- Current
- Resistance
- Frequency
- Bridge connections (Strain gauges/Load cells)

Key Capabilities

- Create complex schedules of logging rates, triggers and alarm outputs
- Scale and view readings in real time on the integral display or on a PC running dEX web interface or Excel
- Display readings in preferred engineering units e.g. Hz, Bar, Pascals, Nm etc.
- Select logging rates
- Derive calculated (virtual) channels from real input channels using mathematical functions
- Concurrently sample channels at different sample speeds

Specifications

1. USB, Ethernet and RS232 connectivity for quick and easy PC and remote communication and networking.
2. Power supply – external DC power supply with internal rechargeable lead acid battery.
3. Convenient 2 line x 16 character backlit LCD for easy access to readings and set-up information
4. 4 digital input/output or low speed counter channels
5. 4 digital input/output/low speed counter channels or SDI-12 connections for multiple networks
6. 4 high speed counters or 2 phase encoders
7. RS232/422/485 generic serial sensor port
8. 5 to 15 universal analogue inputs for recording temperature, current, voltage and resistance

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