



# Instrumentación Técnica Profesional

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## DATA LOGGERS

### DaqLINK

Registrador de datos con 4 entradas externas



Registrador de datos con cuatro entradas externas para sensores múltiples: PT-100, Termopar Tipos J, K, y T - 0-50 mV - 4,-20 mA – contacto-frecuencia – impulsos.

2 sensores internos: Temperatura + Humedad

Batería recargable. Grafico de dos filas de datos. Resolución de registro de datos de 16 bits.

Transmisión en tiempo real para Pc o almacenamiento para la memoria integrada y su posterior descarga de datos en tiempo real.

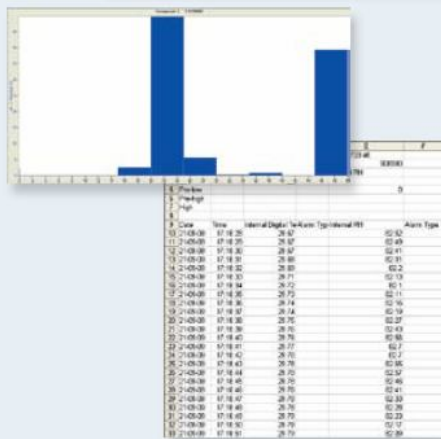
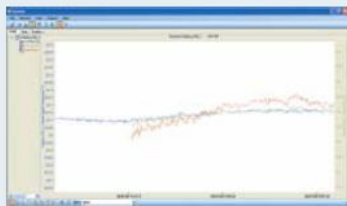
Alertas de alarma de respuesta inmediata. (Permite programar 4 niveles diferentes con retraso de alarma y duración)

Posibilidad de añadir grupos de contactos para avisos de la alarma a través de e-mail ó SMS.

Alarma audible.

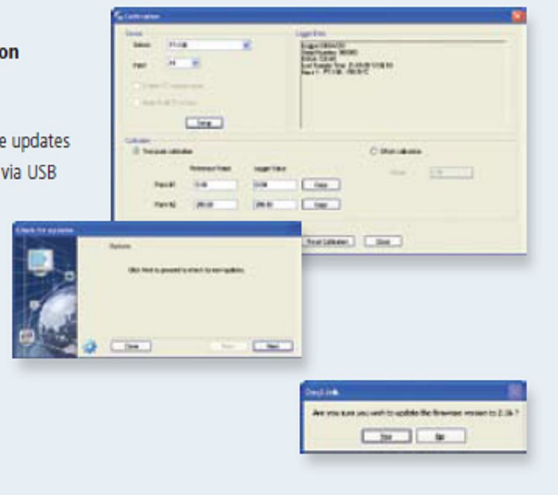
#### Analysis Features

- Dew point analysis, histogram, statistics with export to Excel and CSV formats



#### Hardware Communication Features

Logger firmware updates and calibration via USB



# Especificaciones

## DAQLINK INPUTS

### DBSA710 and DBSA720 Input Types

#### 4 to 20 mA

- Range: 4 to 20 mA
- Resolution: 4.76  $\mu$ A
- Accuracy:  $\pm 0.5$  %
- Loop impedance: 21  $\Omega$
- Maximum load: 30 mA, 5.2 V

#### 0 to 50 mV

- Range: 0 to 50 mV
- Resolution: 3  $\mu$ V
- Accuracy:  $\pm 0.5$  %
- Input impedance: 25 M $\Omega$
- Maximum voltage: 5.2 V

#### 0 to 1 V

- Range: 0 to 1 V
- Resolution: 200  $\mu$ V
- Accuracy:  $\pm 0.5$  %
- Input impedance: 25 M $\Omega$
- Maximum voltage: 5.2 V

#### Temperature PT-100 (2-wires)

- Range: -200 to 400  $^{\circ}$ C
- Resolution: 0.1  $^{\circ}$ C
- Accuracy: -200 to -60  $^{\circ}$ C  $\pm 0.5$  %  
-60 to 60  $^{\circ}$ C  $\pm 0.3$  %  
60 to 400  $^{\circ}$ C  $\pm 0.5$  %

#### Temperature Thermocouple J

- Range: -200 to 1,000  $^{\circ}$ C
- Resolution: 0.1  $^{\circ}$ C
- Accuracy: -200 to -60  $^{\circ}$ C  $\pm 0.5$  %  
-60 to 60  $^{\circ}$ C  $\pm 0.5$  %  
60 to 1,000  $^{\circ}$ C  $\pm 0.5$  %
- Cold junction compensation error:  $\pm 0.3$   $^{\circ}$ C

#### Temperature Thermocouple K

- Range: -200 to 1,000  $^{\circ}$ C
- Resolution: 0.1  $^{\circ}$ C
- Accuracy: -200 to -60  $^{\circ}$ C  $\pm 0.5$  %  
-60 to 60  $^{\circ}$ C  $\pm 0.5$  %  
60 to 1,000  $^{\circ}$ C  $\pm 0.5$  %
- Cold junction compensation error:  $\pm 0.3$   $^{\circ}$ C

#### Temperature Thermocouple T

- Range: -200 to 400  $^{\circ}$ C
- Resolution: 0.1  $^{\circ}$ C
- Accuracy: -200 to -60  $^{\circ}$ C  $\pm 0.5$  %  
-60 to 60  $^{\circ}$ C  $\pm 0.5$  %  
60 to 400  $^{\circ}$ C  $\pm 0.5$  %
- Cold junction compensation error:  $\pm 0.3$   $^{\circ}$ C

#### Frequency (input 4 only)

- Zero crossing detector
- Range: 20 Hz to 4 KHz
- Input signal: 0 to 4,000 Hz
- Input impedance: 470  $\Omega$

#### Pulse Counter (input 4 only)

- Zero crossing detector
- Range: 1 to 65,536 counts
- Resolution: 1 count
- Frequency range: 0 to 4,000 Hz
- Input signal: 0 to 5 V
- Input impedance: 470  $\Omega$

#### Contact

- Range: Open/Closed

#### Internal Temperature

- Type: DBSA710: PT-100  
DBSA720: Digital
- Range: -20 to 50  $^{\circ}$ C
- Resolution: 0.1  $^{\circ}$ C
- Accuracy: DBSA710:  $\pm 0.3$   $^{\circ}$ C  
DBSA720:  $\pm 0.5$   $^{\circ}$ C

#### Internal Humidity (for DBSA720)

- Range: 5 to 95 %
- Resolution: 0.5 %
- Accuracy:  $\pm 3$  % at 10 to 90 %  
 $\pm 5$  % at 5 to 10 %  
and 90 to 95 %

## DAQLINK OUTPUTS

- 12 V Power output
- External Alarm

## DAQLINK LOGGER SAMPLING FEATURES

- Memory capacity: ~59,000 samples
- Sampling rate: One every second to one every 18 hours
- Sampling resolution: 16-bit
- Channel separation: 80 dB

## DAQLINK HARDWARE SPECIFICATIONS

### DBSA710 and DBSA720

#### Display

- 2-row LCD
- 16 character display

#### Memory Modes

- Cyclic/Non-Cyclic
- Push to Run
- Pause

#### Power Supply

- Internal rechargeable 4.8 V NiMH battery
- Built-in battery charger
- External 12 V DC input

#### Operating Temperature Range

- -20 to 50  $^{\circ}$ C
- Water and dust proof: IP54

#### PC Communication

- USB 2.0 compliance
- Mini USB type B cable

Length and Temperature specifications are provided in Metric and Celsius units

#### Casing

- Plastic ABS box
- Dimensions: 104 x 93 x 27 mm
- Weight: 153 gr
- Table and wall mounting

## GENERAL DAQLINK SPECIFICATIONS

### Man Machine Interface

- Two-button keypad operation

### Standards Compliance

- CE, FCC

## DAQLINK SOFTWARE MAIN FEATURES

- Windows® based software
- Data displayed in numeric or graphical display of all inputs
- On-line retrieval and display of the collected data in real-time
- Definition of new sensors
- Full calibration of the loggers via the software
- Documentation and filing
- Alarm levels on graphs
- Export to spreadsheets
- Analytical functions, for professional analysis of the collected data
- Manual backup of calibration settings
- USB firmware update
- Report feature

## AVAILABLE EXTERNAL SENSORS

### PT-100 Sensor\*

- Range: -70 to 400  $^{\circ}$ C
- Cable length: 2.5 m / 4 m / 6 m
- Teflon cable range: -65 to 200  $^{\circ}$ C
- Probe: Diameter 6 mm,  
Length 81 mm

\*See ordering information section