

Light, portable and independent logging



The DaqLink, USB stand-alone data logger offers high functionality in a simple package. With built-in temperature and humidity sensors, plus four external probe inputs DaqLink ensures a low cost, reliable and accurate solution. For continuous indoor or outdoor data monitoring, DaqLink data logger is the tool of choice.

- O Internal sensors for site-specific monitoring
- O 4 recording inputs measure multiple industry-standard units
- O Intuitive keypad with Run/Pause logging option
- O 4 audio alarms with email/SMS notification to any location
- O Real-time data streaming to PC, or large cyclic memory storage
- Onsite monitoring via two row LCD and periodic USB data download
- O Long-lasting rechargeable battery

## INNOVATIVE MONITORING SOLUTIONS





TESTING STANDARDS Ensuring quality control and compliance with safety standards



RESEARCH & DEV. Academic and industrial laboratory research measuring multiple parameters



MILITARY Storage, equipment maintenance, machinery and production testing



COLD CHAIN Ensuring quality products throughout the cold chain process



WAREHOUSING Chemical, industrial and perishables storage



STANDALONE DATA LOGGING

CHANNEL

## Stand-alone data logging with:



# 4

#### External Inputs: 4 to 20 mA

0 to 50 mV 0 to 1 V Temperature PT-100 2-wire Temperature Thermocouple J Temperature Thermocouple K Temperature Thermocouple T Frequency Pulse Counter Contact



## DataSuite Software for DaqLink

Supported Operating Systems: Windows<sup>®</sup> XP SP3 / Vista / 7 (32 and 64 Bit)

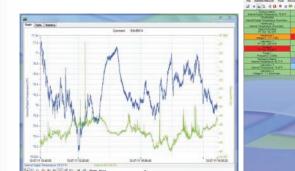
Minimum Hardware Requirements: Pentium 4, 2 GHz Processor or better, 512 MB RAM, 250 MB available disk space



The DataSuite Software provides security for your products with online monitoring and control of the DaqLink data logging solution.

#### Data View Features

Real-time, online data in multiple displays (Graph, Table, Statistics, Sensor View)





#### Alarm Features

Alarm level setup with email & SMS notifications. Four alarm levels, allowing for programming of 4 separate parameters, with alarm delay and duration

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#### Report Module

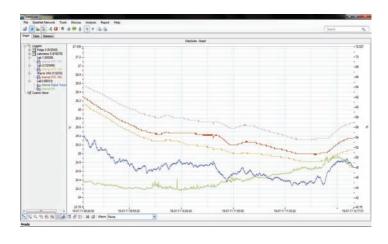
The Report Module provides the DaqLink user with an intuitive interface for creating and generating reports which have many parameters garnered from the DaqLink data logger and software.

Each report can be emailed to a selected distribution list, at predefined time intervals, in PDF and Excel format.

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#### Analysis Features

Dew point analysis, FO Pasteurization, histogram, MKT, statistics with export to Excel and CSV formats.



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#### DatPass

DatPass works with DataSuite software and defines the users that can log in, maintaining the passwords and digital signatures needed for electronic records, as well as an Audit Trail of all user activity.



### DaqLink ECIFICATIO Length and Temperature specifications are provided in Metric and Celsius units

#### **INPUT TYPES**

#### DBSA710, DBSA720

#### 4 to 20 mA

- 4 to 20 mA Range:
- Resolution: 4.76 μΑ ±0.5 % Accuracy:
- Loop impedance: 21 Ω

#### 0 to 50 mV

- 0 to 50 mV • Range:
- Resolution: 3 uV
- Accuracy: ±0.5 %
- Input impedance: 25 MΩ
- Max voltage: 3.2 V

#### 0 to 1 V

- Range: 0 to 1 V
- Resolution: 200 µV
- Accuracy: ±0.5 %
- Input impedance: 25 MΩ
- Max voltage: 3.2 V

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

- Range: -200 to 400 °C • Resolution: 0.1 °C
- -200 to -60 °C ±0.5 % Accuracy: -60 to 60 °C ±0.3 °C 60 to 400 °C ±0.5 %

#### Temperature Thermocouple J

- -200 to 1,000 °C Range: 0.1 °C
- Resolution:
- -200 to -60 °C ±0.5 % Accuracy: -60 to 60 °C ±0.5 °C
- 60 to 1,000 °C ±0.5 % • Cold junction compensation error: ±0.3 °C

#### Temperature Thermocouple K

- Range: -200 to 1,000 °C
- Resolution: 0.1 °C
- -200 to -60 °C ±0.5 % • Accuracy: -60 to 60 °C ±0.5 °C 60 to 1,000 °C ±0.5 %
- Cold junction compensation error: ±0.3 °C

#### Temperature Thermocouple T

- -200 to 400 °C Range: • Resolution: 0.1 °C -200 to -60 °C ±0.5 % Accuracy: -60 to 60 °C ±0.5 °C 60 to 400 °C ±0.5 %
- Cold junction compensation error: ±0.3 °C

#### Frequency (input 4 only)

- Zero crossing detector
- 20 Hz to 4 KHz Range:
- Input signal: 0 to 4.000 Hz
- Input impedance: 470 Ω

#### Pulse Counter (input 4 only)

- Zero crossing detector
- 1 to 65,536 counts • Range: 1 count
- Resolution:

- Frequency range: 0 to 4,000 Hz
- Input signal: 0 to 3.2 V
- Input impedance: 470 Ω

#### Contact • Range:

Open/Closed

#### Internal Temperature

<ul> <li>Type:</li> </ul>	DBSA710: PT-100
	DBSA720: Digital
<ul> <li>Range:</li> </ul>	-20 to 50 °C
<ul> <li>Resolution:</li> </ul>	0.1 °C
<ul> <li>Accuracy:</li> </ul>	DBSA710: ±0.3 °C
	DBSA720: ±0.5 °C

#### Internal Humidity (for DBSA720)

• Range:	5 to 95 %
Resolution:	05%

- Resolution: Accuracy:
  - ±3 % at 10 to 90 %
    - ±5 % at 5 to 10 % and 90 to 95 %

#### **OUTPUTS** DBSA710, DBSA720

#### **External Power Excitation (transducers usage)**

• 12 VDC @ 2 A Reset fuse overload protection

#### **Dry Contact Alarm Output**

- Open collector
- Close position resistance: 50.0
- Max. Load: 50 mA, 3 V DC

#### LOGGER SAMPLING FEATURES

- Memory capacity: Sampling rate:
- Sampling resolution:
- to one every 18 hours 16-hit Channel separation: 80 dB

~59,000 samples

One every second

#### HARDWARE SPECIFICATIONS DBSA710, DBSA720

#### Display 2-row LCD

16 character display

#### Memory Modes

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

#### **Power Supply**

 Internal rechargeable 4.8 V, 800 mAh NiMH battery (2 batteries in series)

ISE, Inc. • 10100 Royalton Rd., Cleveland, OH 44133 • Tel: (440) 237-3200 • Fax: (440) 237-1744 • http://iseinc.com

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- Built-in battery charger
- External 12 V DC input @ 300 mA 3.6 VA

#### **Operating Temperature Range**

 -20 to 50 °C Water and dust proof: IP54

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- PC Communication
- USB 2.0 compliance
- Mini USB type B cable

#### 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, IC Canada

• Definition of new sensors

• Documentation and filing

Alarm levels on graphs

• Export to spreadsheets

of the collected data

• USB firmware update

data loggers

12504

12753

12752

12751

DT043

11304

13330

DT246

DT245

DT282

13825

#### DATASUITE SOFTWARE FOR DAQLINK

- Windows<sup>®</sup> based software • Data displayed in numeric or graphical
- display of all inputs
- Online retrieval and display of the collected data in real-time Report module

• Full calibration of the loggers via the software

• Analytical functions, for professional analysis

Manual backup of calibration settings

HARDWARE SPECIFICATIONS

DBSA710 Internal Temp USB logger

DBSA720 Internal Temp & Humidity

license

+ 4 external inputs

USB logger + 4 external inputs

Mini USB cable + single user

GSM Modem (for SMS alerts)

PT-100 sensor (2-wire) 2.5 m

PT-100 sensor (2-wire) 4 m

PT-100 sensor (2-wire) 6 m

Optional 3m Mini USB communication cable

US adapter

adapter

European adapter

Temperature/Humidity probe

Replacement 110/12 V AC/DC

Replacement 110/12 V AC/DC

External Alarm Siren + Strobe

Replacement 110/12 V AC/DC UK

Replacement internal battery pack

DataSuite-DQL DataSuite Software CD + 3m

Software integration with range of fourtec