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.

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

2
Internal Sensors:
Temperature -20 to 50 °C
Humidity 5 to 95 %

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

2
External Outputs:
12 V Power Output
Alarm Device

DataSuite Software for DaqLink

Supported Operating Systems:
Windows® 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)

Alarm Features
Alarm level setup with email & SMS notifications
Four alarm levels, allowing for programming of 4 separate parameters, with alarm delay and duration
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 pre-defined time intervals, in PDF and Excel format.

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

FDA Title 21 CFR Part 11 Compliant

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.
**INPUT TYPES**

**DBSA710, DBSA720**

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

**0 to 50 mV**
- Range: 0 to 50 mV
- Resolution: 3 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
- Accuracy: ±200 to -60 °C ±0.5 %
  -60 to 60 °C ±0.3 °C
  -60 to 400 °C ±0.5 %
- Coid junction compensation error: ±0.3 °C

**Temperature Thermocouple J**
- Range: -200 to 1,000 °C
- Resolution: 0.1 °C
- Accuracy: ±200 to -60 °C ±0.5 %
  -60 to 60 °C ±0.3 °C
  -60 to 1,000 °C ±0.5 %
- Coid junction compensation error: ±0.3 °C

**Temperature Thermocouple K**
- Range: -200 to 1,000 °C
- Resolution: 0.1 °C
- Accuracy: ±200 to -60 °C ±0.5 %
  -60 to 60 °C ±0.3 °C
  -60 to 1,000 °C ±0.5 %
- Coid junction compensation error: ±0.3 °C

**Frequency (input 4 only)**
- Zero crossing detector
- Range: 20 Hz to 4 KHz
- Input signal: 0 to 4,000 Hz
- Input impedance: 470 Ω

**Pulse Counter (input 4 only)**
- Zero crossing detector
- Range: 1 to 65,536 counts
- Resolution: 1 count

**INPUT TYPES**

**DBSA710, DBSA720**

**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 Thermocouple T**
- Range: -200 to 400 °C
- Resolution: 0.1 °C
- Accuracy: ±200 to -60 °C ±0.5 %
  -60 to 60 °C ±0.3 °C
  -60 to 400 °C ±0.5 %
- Coid junction compensation error: ±0.3 °C

**Contact**
- Range: Open/Closed

**Internal Temperature**
- Type: DBSA710: PT-100
  - Range: -20 to 50 °C
- Resolution: 0.1 °C
- Accuracy: DBSA710: ±0.3 °C
  DBSA720: ±0.5 °C

**Internal Humidity (for DBSA720)**
- Range: 5 to 95 %
- Resolution: 0.5 %
- 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 Ω
- Max. Load: 50 mA, 3 V DC

**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

**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)
- 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

**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

**DATASUITE SOFTWARE FOR DAQLINK**

- Windows® 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
- 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
- Software integration with range of fourtec data loggers

**HARDWARE SPECIFICATIONS**

**DBSA710**

- Internal Temp USB logger + 4 external inputs

**DBSA720**

- Internal Temp & Humidity USB logger + 4 external inputs
- 12504 GSM Modem (for SMS alerts)
- DataSuite-DQL DataSuite Software CD + 3m Mini USB cable + single user license
- 12753 PT-100 sensor (2-wire) 2.5 m
- 12752 PT-100 sensor (2-wire) 4 m
- 12751 PT-100 sensor (2-wire) 6 m
- DT043 Temperature/Humidity probe
- 11304 Replacement internal battery pack
- 13330 Optional 3m Mini USB communication cable
- DT246 Replacement 110/12 V AC/DC US adapter
- DT245 Replacement 110/12 V AC/DC European adapter
- DT282 Replacement 110/12 V AC/DC UK adapter
- 13825 External Alarm Siren + Strobe