

DSC100

8 CHANNEL DATA SCANNER / LOGGER



OVERVIEW

These dataloggers process and send 8 channels of data to the PC. Dataloggersoftware ensures realtime display on the PC as well as storing data at userprogrammed intervals The Datalogger accepts either Thermocouple, RTD, 4-20mA or 0-5V inputs. Linearization software is built-in for both Thermocouple as well as RTD ensuring 1° accuracy over the entire range.

Software stores data in in industry standard database. Data is available for other software using Microsoft ODBC technology. The software comes builtin with historical reports and graphs and user definable reports.

FEATURES

- High Resolution ADC
- Clear long range visibility with bright 7 segment LEDs
- 2 line 16 characters blue backlit LCD
- 64k memory for data storage
- 8 Channels / Outputs (expandable up to 16)
- Real time clock
- RS232/RS485 - MODBUS Communication
- Stand alone mode and scanner mode
- Automatic report upload to Internet
- Realtime and historical Graphs
- Windows compatible software



The DSC100 comes standard with an easy to use, user-friendly software that requires minimal computer knowledge. The operation is intuitive and most functions are self explanatory.

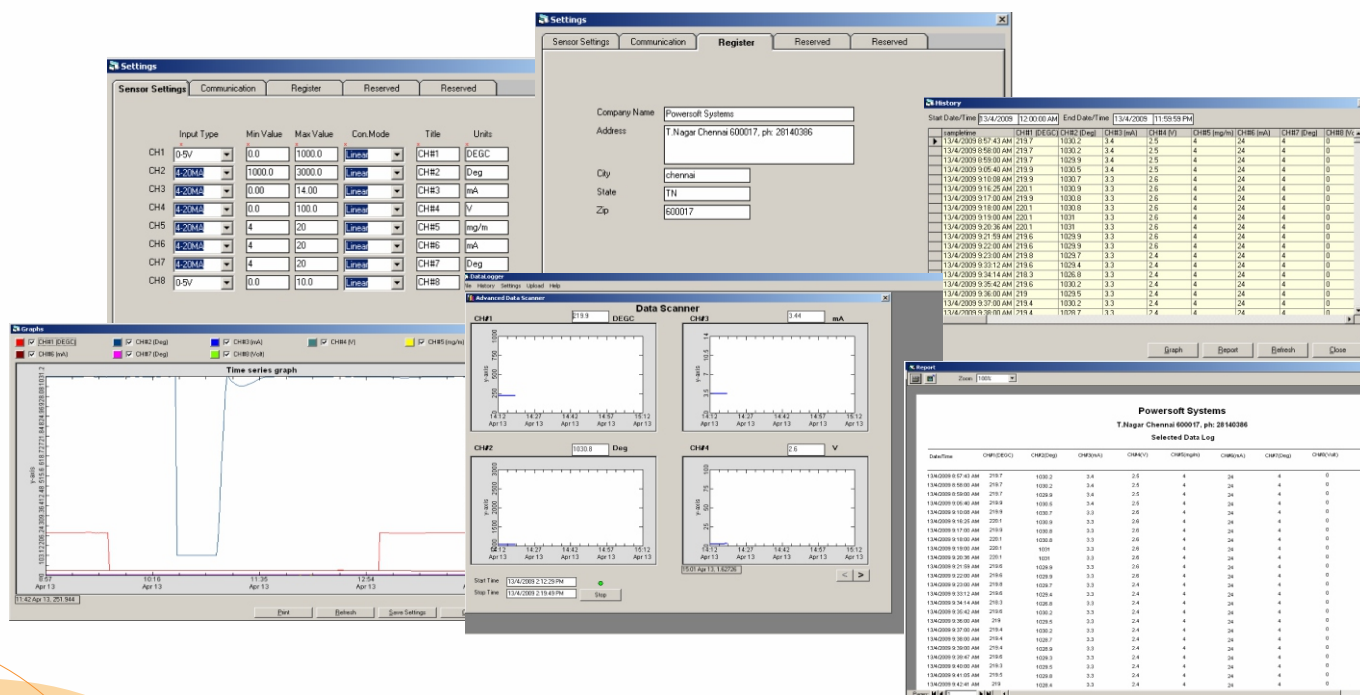
These Data Loggers process and send 8 channels of sensor information to the PC. These values are stored in the computer at programmable intervals. Thermocouples J, K, T, E, N, B, C can be connected to the inputs. In addition channels can be factory set for 4-20mA inputs. Thermocouple inputs are amplified using very low error amplifiers. Cold junction compensation is provided on-board for maximum accuracy. The thermocouple readings are software linearized using polynomial extraction for high accuracy. The readings are accurate and repeatable. Since the inputs are linearized over the entire working range including temperature below zero, thermocouples can be used for measuring temperature below zero.

Software stores values in industry standard database. This database is available for all windows users. Users can retrieve data from this ODBC standard database and incorporate it to their designs. The software comes built-in with selectable reports as well as graphs. Graphs can be plotted for a combination of selected channels



SPECIFICATIONS

Power Supply	15-24 VDC / 500mA
Power	2 Watt Maximum
Indication	16 Character 2 line blue backlit LCD / 7 Segment LED
No. of Channels	8 (Expandable up to 16)
No. of Outputs	8 (Expandable up to 16)
Signal Type	Thermocouple – J,K,T,E,N,B,R,S or RTD or 4-20mA or 0-5V
Measuring Range	Thermocouple: K Type -200 to 1300 °C, J Type -200 to 1200 °C
Signal Maximum	Protected for 25mA continuous or 6V DC
Conversion Type	Polynomial Extraction (For temperature measurements)
Operating / Storing Temp.	0 – 50 °C / 0 – 60 °C
Humidity	0 – 85% non condensing
Accuracy	± 1.5 °C
Memory	64 K External Memory for storing Data
RTC	Real Time clock to store date and time of event occurrence
Modes	Stand alone and Data Scanning Mode
Program Variables	Transmitted via Serial port for recording using PC.
Programming Method	RS232/RS485 interface through PC
Housing	Panel Mount



Minimum System Requirements for all the above systems

IBM PC compatible running Win 9X/2000/XP, Available 9-pin serial port, 5Mb Hard Disk Space, 32Mb RAM



Ph: +91 44 2482 7879
 sales@gsv-microtech.com
 www.gsv-microtech.com
 3/531/A Kundrathur Road, Madanandapuram,
 Porur, Chennai - 600 116. India.



Scan to download
 DSC100 datasheet