



Strain Data Logger (DG-DL-S-Cxx), is a microprocessor based electronic instrument that is designed to accept and record strain data in full, half, and quarter bridge configuration. The instrument measures the input signal, processes it and displays measured parameter on a 20x4 LCD display (Also available with touchscreen). Up to Thirty-two channels may be provided. The channels may be displayed in a sequential manner or may be selected manually, by providing the appropriate command from the keyboard (With Touchscreen: All the channels are displayed simultaneously). Store Interval, real time, and Channel Configuration are software programmable.

The built-in real-time clock is provided to put the time stamp on the measured data. The measured data of all the channels may be transferred to PC through an RS-232C link/USB on store interval with the time stamp on appropriate command. Data may be captured on a PC in a suitable format to import data into Excel. Optional PC-based software may be provided to display and store serial data on PC for further analysis. The unit is mains operated and portable. The unit is supplied with suitable accessories.

FEATURES

- ✓ Highly stabilized amplifier
- ✓ High Performance ADC
- ✓ Full, half, and quarter bridge configuration
- ✓ User Friendly keyboard
- ✓ Online data is available on PC
- ✓ 4x20 intelligent LCD display

APPLICATIONS

- ✓ Bridges
- ✓ Structures
- ✓ Load cells

SPECIFICATIONS

Product Code	DG-DL-S-Cxx
Equipment Category	Data Logger
Display	20 X 4 Intelligent LCD display
Range	±10,000 micro strain
Resolution	1 micro strain
Accuracy	± 0.1% ± 1 digit
Configuration	Full/ Half Bridge/Quarter
Channels	Up to 32 Channel
Sensor	Strain Gauge Sensor
Scan rate	Up to 8 channels/sec
Bridge Excitation	5V DC
Gauge Factor Range	2 to 4.5
Gauge Resistance	120 ohm and 350 ohm
Channel Sensor Programming	Each channel is programmable
Channel SKIP facility	Available
Weight	2.5 kg
Dimension	300W x 250D x 125H (8 channels)
Usage Environment	Temp. 55 °C & RH 99% non-condensing
Power Supply	200 to 250VAC ± 10%, 50 Hz
Applications	Bridges, structures, load cells

Ordering Information

Item:

Strain Data Logger

Category:

Data Logger

Unique Code:

DG-DL-S-Cxx

Accessories:

- Power Cord
- Operating Manual

Customization:

Multiple Channels and Multi Sensor option available (Any customisation request to be made at the time of placing the order)

Order Placement:

- Via the Website
- Via E-mail
- Via Phone

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