

ATRON Electronic Systems founded in 2012 to design and manufacture electronic based equipment.

By using expert engineers with experience in various fields of engineering, ATRON electronic systems have designed and manufactured equipment with industrial and educational applications during this short period of activity.

Our products include:

- Data loggers
- Digital controllers
- Material testing equipment
- Quality control equipment
- Educational equipment
- Educational simulator
- Monitoring equipment

As a key products our data loggers and digital controllers not only can be used to upgrade any old equipment but they can be used as powerful and cost effective solutions for brand new designs requiring control systems.

Based on flexible and modular design of controllers and data loggers, we are able to provide customized and specialized hardware and software solutions to cater for our customer's needs.

Maintaining the high quality of all ATRON products is essential. Strict quality control procedures at each stage of design and production ensure our products always meet the very highest standards. They are robust and designed to withstand long term, heavy laboratory and classroom use.



AL Series Data logger

In designing of AL series, ease of use and economical pricing has been the prime consideration.

AL series data loggers are compact and most suitable for transfer various sensor data to the PC.

It is not a standalone device, so all the Measurement, adjustment and calibration is done with a Standard PC via a user friendly software. Also we are ready to design a special and customize software according to your application.



Technical specifications:

- *Four 16 bit input channel (8 channel in multiplex mode)*
- *Sampling and logging rate : 500 sample per second*
- *Suitable for many kind of sensors such as load, displacement, temperature, pressure and etc*
- *Internal sensor for sensing the environment temperature, suitable for thermocouple*
- *USB interface*
- *Supplied with USB power or external power supply*
- *Separate calibration table for each sensor*
- *Applied a desire formula for each channel value*
- *Create data file in standard MS Excel format*
- *Dimensions : 160X130X59 mm*
- *Special edition for EC and PH measurement (MEMC4)*

Applications:

- *Monitoring systems*
- *Quality control equipment*
- *Measurement of PH,EC,RH and other environmental parameter*
- *Converting the analog systems to digital.*

SL Digital controller and data logger

SL series controllers, designed and manufactured by ATRON Electronic Systems are new generation of multipurpose controllers which can be used on laboratory and industrial equipment for control and data logging of static and dynamic soil triaxial system direct shears compression machines, universal testing machines etc.

Control capability of 3 independent axis and storage of data without the need for a PC is a special feature of the SL series which represent it as an excellent tool to upgrading and automation of laboratory and industrial equipment for cost saving purpose, the system can be tail to match customers request.



Technical specifications:

- Four 16 bit independent analogue input channels
- 8 digital input channels
- 8 digital output channels
- 3 Isolated digital output channels
- 2 analogue output channels ($\pm 10V$)
- Expandable to 3 channels
- PID control up to 500 Hz
- Stopper motor control (optional)
- USB port connection PC
- Graphical display panel
- 4 independent calibration tables
- data logging and storage on MMC Card.

