Today's electronic balance is (or can be) a sophisticated weighing device completes with a suite of software to record and process the results achieved during weighing. Today it is possible to display a weight with a precision of 1 part in several million using new weight detection systems and sophisticated electronics. A weighing scale (usually just ‘scale’ in common usage) is a device for measuring the weight of an object. These scales are often used to measure the weight of a person, and are also used in science to obtain the mass of an object, and in many industrial and commercial applications to determine the weight of things ranging from feathers to loaded tractor-trailers. Weighing scales are also sometimes used to measure force rather than mass.

This weight scale is basically designed for not only measuring the weight but also for controlling as a predefined device. This weight scale is used in many control application where we need to measure and compare the accurate weight. This weight scale offers fast operation because the A/D converter is used. The system is based on AT89s52 controller. However, the most crucial part for the system is the load cell.

The presented model is a small but significant part of a fairly large automated system. Future recommendations may include more functionality such as a higher precision and a larger range of operation. Other improvements may include providing more memory for recording the data and using different scaling systems.