

Design and manufacture of an electronic scale displaying results on a computer and LCD.

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Abstract: This topic aims to research and develop an electronic scale system that allows displaying results directly on a computer and an LCD screen. The context of the topic arises from the practical need for high accuracy in weighing and data synchronization between devices. The objective of the research is to build a flexible, easy-to-use electronic scale system with communication capabilities via USB and RS232 interfaces. The research method includes both theory on electronic scales and experimentation to evaluate system performance. The expected results will contribute to improving accuracy and convenience in applications requiring electronic scale design.

Keywords: electronic scale, computer communication, LCD screen