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ELECTRONIC WEIGHT SCALE

(E / 636)

Project submitted by :

HERODOTOS HERODOTOU

Supervisor :Dr. MARIOS KASSINOPOULOS

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ABSTRACT

The main objective of this project was to design and construct an electronic weight scale. The report begins with the investigation of different types of electronic weight sensors and various types of existing weight scales. The analogue to digital converter, the 8085 micro target board the 2x8 matrix keyboard and the led output display are designed and constructed. In this project is also included suitable software written in 8085 assembly language.

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APPENDICES

- 1) 8085 Instruction Set
- 2) 74LS138 decoder
- 3) 2716 EPROM
- 4) ZN 427 A/D converter
- 5) Strain gauges and amplifier