



Universidade do Minho
Escola de Engenharia

Osciloscópio baseado em FPGA

Mestrado em Engenharia Eletrónica Industrial e Computadores

Projeto Integrador em Engenharia Industrial e Computadores

Authors:

Diogo Fernandes PG47150

José Tomás Abreu PG47386

Supervisors:

Prof. Dr. Tiago Gomes

Prof. Ricardo Roriz

Prof. Sérgio Pereira

March 18, 2022

Contents

List of Figures	ii
List of Tables	iii
Acronyms	iv
1 Introduction	1
2 Market Research	2
3 Analysis	3
4 Theoretical Foundations	4
5 Design	5
6 Implementation	6
7 Testing	7
8 Conclusion	8

List of Figures

List of Tables

Acronyms

Chapter 1

Introduction

Chapter 2

Market Research

Chapter 3

Analysis

Chapter 4

Theoretical Foundations

Chapter 5

Design

Chapter 6

Implementation

Chapter 7

Testing

Chapter 8

Conclusion

Bibliography