

# Migration of LabVIEW into the Test of magnetic Properties

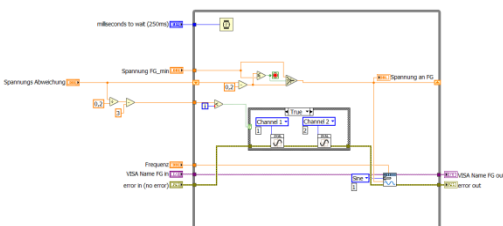
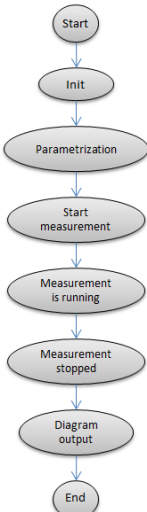
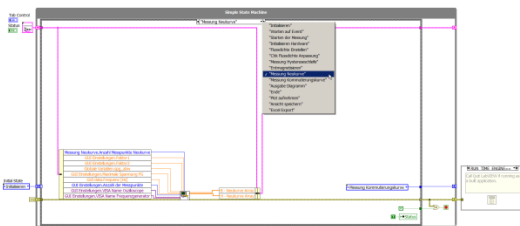
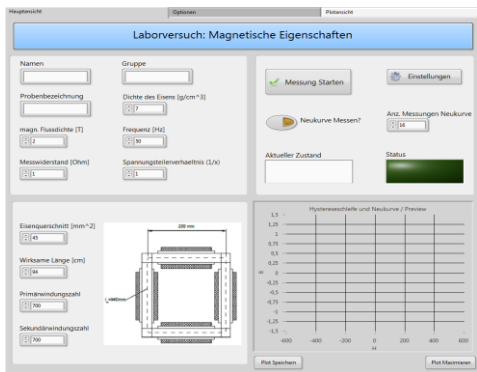
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## Summary

This project deals with the migration of a measuring-system for magnetic properties in a new environment. Main task of this project was the mapping of Pascal-Code into the graphical coding language of LabVIEW. Further work was done regarding enhancing the program by code optimizations as well as the implementation of some new features (e.g.: overcurrent protection, graphical user interface ...). The result is a more user-friendly and reasonable code for the latest hardware that can be used to identify the main characteristics of transformer sheets.



## The Project

Subroutines Virtual Instruments	Flow Chart	Simple State Machine
<ul style="list-style-type: none"><li>» Hardware communication</li><li>» Mathematical operations</li><li>» Plotting</li></ul> 		<ul style="list-style-type: none"><li>» All states set up according to the flow chart</li><li>» Used for triggering events</li></ul> 
Graphical User Interface (GUI)		Plot View
<ul style="list-style-type: none"><li>» 3 tabs (main view, options, plot view)</li><li>» Fully functional without the LabVIEW software</li></ul> 		<ul style="list-style-type: none"><li>» Overview of the chosen properties</li><li>» Can be saved in different ways</li></ul> 