

APPENDIX B. GRAPHICAL PROGRAMMING FOR DATA ACQUISITION SYSTEM

This appendix shows the detail of graphical programming which is developed especially for this study. Using LabVIEW, the program is constructed in order to be able to monitor the condition of working fluid in several points in the flow loop. All measuring instruments (i.e. thermocouples, pressure transducers and flow meter), which are installed in the flow loop and test section, are connected to Data logger from National Instrument.

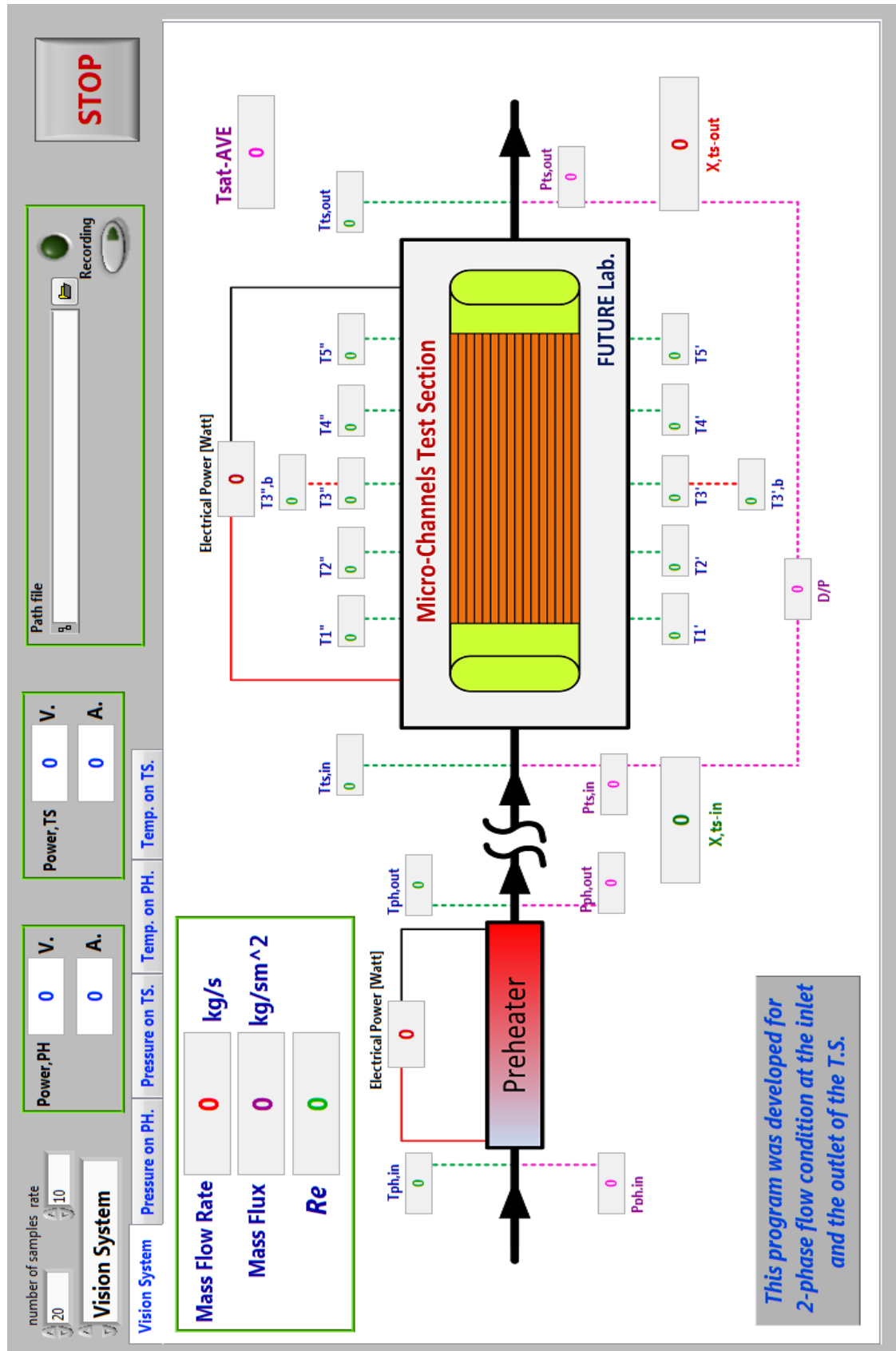


Figure B.1 LabVIEW front panel for monitoring and displaying the system

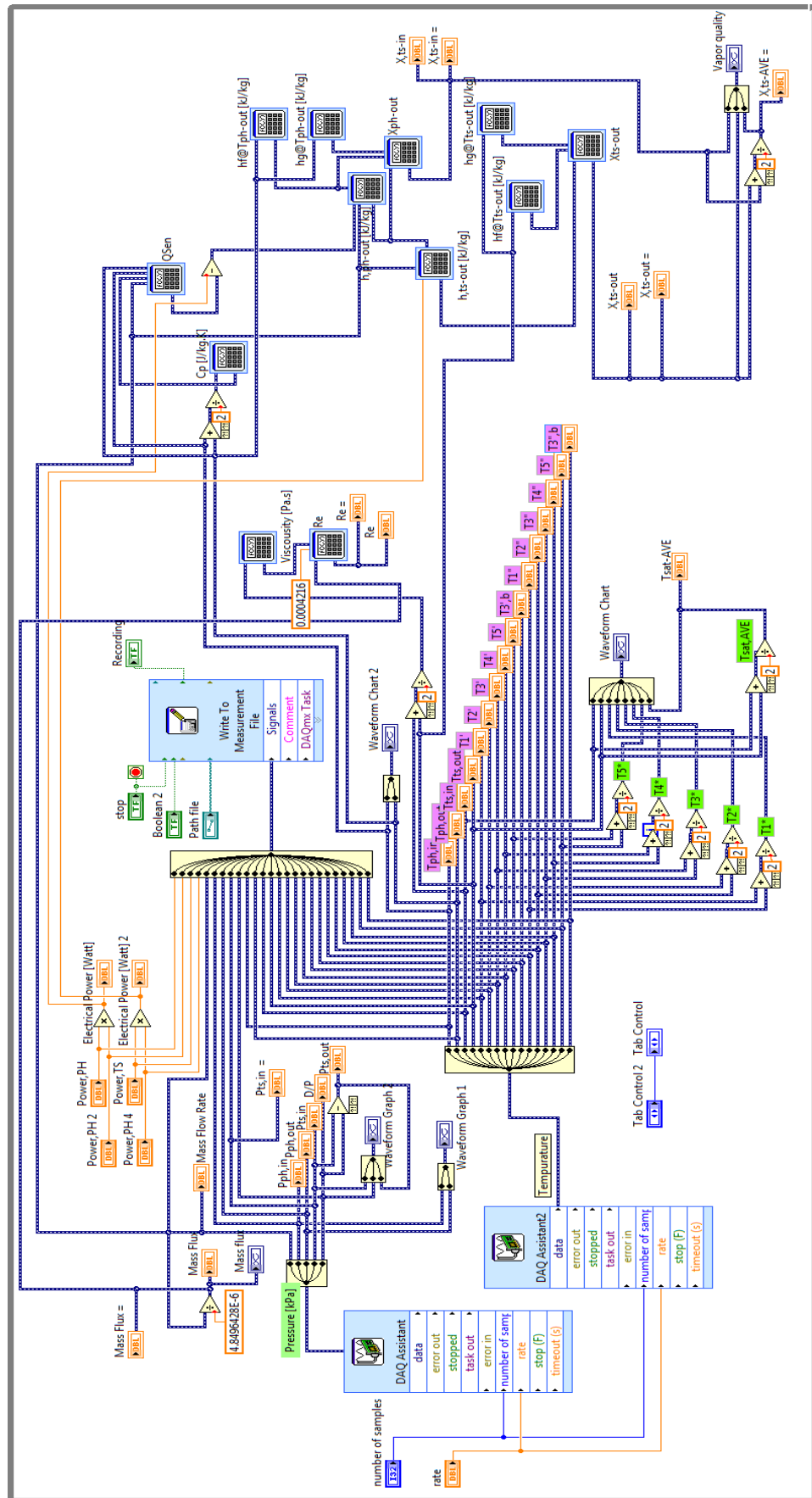


Figure B.2 The structure of a graphical block diagram