





## VI. CONCLUSION

The system based on IPC as a core. It was designed in accordance with the basic theory of the flow test system and the test function to achieve. Verification system acquiring the input signal and controlling the output signal is achieved through the interaction between multi-function data acquisition card and control board. The IPC in the verification process have automatic collection, processing test data, print out the test results and other functions. System software in accordance with the requirements of real-time design, based on functional decomposition, study test software structure, flow diagram of the main program and each function module descriptions and flow charts. As a metrological verification device, the accuracy is one of the most critical indicators. We analyzed the various factors that affect the test accuracy, and focused on the greater impact on the commutation time error and simultaneous measurement of accuracy. The experimental results show that the test system is feasible, both technically and economically

has a relatively high superiority.

## REFERENCES

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