

Study of the structure, working principle, and operation of the common AVL 9180 electrolyte analyzer.

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Abstract: In the context of increasing demand for water quality testing, this study focuses on researching the structure, operating principles, and operation of the AVL 9180 electrolyte analyzer. The main objective is to provide a comprehensive understanding of the automated chemical analysis process. The research method combines reference materials and experimentation to ensure system accuracy. The expected results not only help enhance technical capabilities in the field of water treatment but also contribute to the development of modern electrolyte testing technology.

Keywords: AVL 9180 electrolyte analyzer, machine structure, operating principle