



**PROFESSIONAL STANDARD OF THE PEOPLE'S
REPUBLIC OF CHINA**

中华人民共和国环境保护行业标准

HJ/T 97-2003

**The technical requirement for water quality
automatic analyzer of electroconductivity**

电导率水质自动分析仪技术要求

Issued on March 28, 2003

Implemented on July 01, 2003

Issued by State Environmental Protection Administration

Contents

Foreword.....	1
1 Scope	2
2 Terms and Definitions.....	2
3 Determination Principle and Measuring Range.....	3
4 Working Voltage and Frequency.....	3
5 Performance Requirements	3
6 Instrument Structure	3
7 Test Method	5
8 Signs	8
9 Operating Manual.....	9
10 Calibration.....	9

**Notice of the Ministry of Environmental Protection on Issuing 9 Environmental
Protection Industry Standards like Technical Requirements for pH Water Quality
Automatic Analyzer**

HF [2003] No. 57

In order to carry out the Environmental Protection Law of the People's Republic of China and the Law of the People's Republic of China on Prevention and Control of Water Pollution, improve the ability of environmental monitoring work, strengthen environmental control and protect water environment, now 9 environmental protection industry standards like Technical Requirement for pH Water Quality Automatic Analyzer are ratified and issued.

The standard numbers and names are as follows:

HJ/T 96-2003 Technical Requirement for pH Water Quality Automatic Analyzer

HJ/T 97-2003 Technical Requirement for Water Quality Automatic Analyzer of Electroconductivity

HJ/T 98-2003 Technical Requirement for Water Quality Automatic Analyzer of Turbidity

HJ/T 99-2003 Technical Requirement for Water Quality Automatic Analyzer of Dissolved Oxygen (DO)

HJ/T 100-2003 Technical Requirement for Water Quality Automatic Analyzer of Permanganate Index

HJ/T 101-2003 Technical Requirement for Water Quality Automatic Analyzer of Ammonia

HJ/T 102-2003 Technical Requirement for Water Quality Automatic Analyzer of Total Nitrogen

HJ/T 103-2003 Technical Requirement for Water Quality Automatic Analyzer of Total Phosphorous

HJ/T 104-2003 Technical Requirement for Water Quality Automatic Analyzer of Total Organic Carbon (TOC)

The standards above are recommendatory. They are published by China Environmental Science Press. They are implemented from July 1, 2003.

Notice is hereby given.

March 28, 2003

Foreword

the standard is formulated in order to carry out the Environmental Protection Law of the People's Republic of China and the Law of the People's Republic of China on Prevention and Control of Water Pollution, improve the ability of water environment monitoring work, realize automation and modernization of water quality monitoring, with a view to attaining early-warning monitoring of surface water quality, and monitoring and control of total quantity of pollutant sources

The standard prescribes major technical requirements in development and production, performance examination, type section and use, daily check and etc. of water quality automatic analyzer of electroconductivity.

The standard is proposed by Department of Science, Technology and Standards under the Ministry of Environmental Protection of the People's Republic of China.

The standard is drafted by China National Environmental Monitoring Center.

The standard is interpreted by the Ministry of Environmental Protection of the People's Republic of China.

Technical Requirement for Water Quality Automatic Analyzer of Electroconductivity

1 Scope

The technical requirement prescribes technical performance requirements and performance test methods of water quality automatic analyzer of electroconductivity in respect of surface water, industrial wastewater and municipal wastewater, and applies to the development and production as well as performance examination for the instrument of the kind.

2 Terms and Definitions

For the purpose of this document, the following terms and definitions shall apply.

2.1 Sample

Surface water, industrial wastewater and municipal wastewater led into automatic analyzers.

2.2 Zero Shift

The percentage of the change of an automatic analyzer's indicating value over a given period to its range when the zero correction solution specified in the technical requirement is employed to give continuous tests to samples.

2.3 Span Shift

The percentage of the change of an automatic analyzer's indicating value over a given period to its range when the range correction solution specified in the technical requirement is employed to give continuous tests to samples.

2.4 Mean Time between Failures

The ratio of total hours (h) to failures (number) of an automatic analyzer during its inspection period, expressed as "MTBF", in h/times.

2.5 Response Time (T_{90})

The time required for the indicating value of an electrode system to reach 90% of the standard electroconductivity value of range correction solution when the electrode system is moved from zero correction solution to range correction solution.

完整版本请在线下单/Order Checks Online for Full version

联系我们/or Contact:

TEL: 400-678-1309

QQ: 19315219 | Skype: Lancarver

Email : info@lancarver.com

<http://www.lancarver.com>

线下付款方式 :

I. 对公账户 :

单位名称 : 北京文心雕语翻译有限公司

开户行 : 中国工商银行北京学清路支行

账 号 : 0200 1486 0900 0006 131

II. 支付宝账户 : info@lancarver.com

III. Paypal: info@lancarver.com

注: 付款成功后, 请预留电邮, 完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱, 如需索取发票, 下单成功后的三个工作日内安排开具并寄出, 预祝合作愉快!

NOTE All documents on the store are in electronic Adobe Acrobat PDF format, there is not sell or ship documents in hard copy. Mail the order and payment information to info@lancarver.com, you will shortly receive an e-mail confirming your order.

