

CJ

NATIONAL STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

CJ/T 188-2004

**Technical Requirements of Utility Meters Data
Transmission**

户用计量仪表数据传输技术条件

Issued on February 12, 2004

Implemented on June 01, 2004

Issued by Ministry of Construction of the People's Republic of China

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Foreword

This professional standard is formulated for the first time.

The formulation of the standard refers to the research, production and service of the bus automatic meter reading system technique of water meter, gas meter and heat meter in our country.

This standard is based on European Standard EN 1434.3.

This standard comprises five annexes, in which, Annex A is normative, and Annexes B, C, D and E are informative.

This standard is published by Research Institute of Standards and Norms of the Ministry of Construction.

This national standard is under the jurisdiction of China Urban Construction Design & Research Institute-technical administrative organization of city construction standard of Ministry of Construction.

Drafting organizations of this standard: China Urban Construction Design & Research Institute, Huizhou Huayang Digital Science and Technology Co., Ltd., Hangzhou Lierda Monolithic Computer Technology Co., Ltd.,Guangzhou Baicheng Intelligent Technology Co., Ltd.,Dandong Scking Electronic Development Co., Ltd., Ningbo Tap Water Head Office-Water Meter Plant, Wuxi Water Meter Co., Ltd., Nanjing Eastfar Science & Technology Co., Ltd., Jiangxi Yingtan Sanchuan Water Meter Co., Ltd, Tangshan Huizhong Instrumentation Co.,Ltd., Tianjin Domestic Water Equipment Auxiliary Company and Kunming Water Supply Equipment Manufacture & Installation Company.

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户用计量仪表数据传输技术条件

1 Scope

This standard specifies the basic principles, interfaces type and physical property, data link, data identification and data security and the requirements for data express format of the utility meters (hereinafter referred to as meters), including water meter, gas meter and heat meter.

This standard is applicable to automatic meter reading system of data exchange of one master one slave or one master multiple slave among the master station and slave station.

2 Normative References

The following normative documents contain provisions which, through reference in this standard, constitute provisions of this standard. For dated reference, subsequent amendments to, or revisions of, any of these publications do not apply. However, all parties coming to an agreement according to this standard are encouraged to study whether the latest editions of these documents are applicable. For undated references, the latest edition of the normative document referred to applies.

GB/T 778.1-1996 Meters for Cold Potable Water--Part 1:Specifications

GB 4706.1 Safety of Household and Similar Electrical Appliances; General Requirements

GB/T 6968-1997 Diaphragm Gas Meters

GB/T 17626.2 Electromagnetic Compatibility (EMC)-Testing and Measurement Techniques-Electrostatic Discharge Immunity Test

GB/T 17626.3 Electromagnetic Compatibility-Testing and Measurement Techniques-Radiated Radio-frequency Electromagnetic Field Immunity Test

GB/T 15277 Information Processing-Modes of Operation for a 64-bit Block Cipher Algorithm

GB/T 17901.1 Information Technology-Security Techniques-Key Management

CJ 128-2000 Heat Meter

CJ/T 133-2000 IC card Cold Potable Water

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