

ICS 35.040  
CCS A 24



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

**GB/T 26228.1-2010**

---

**Information technology -- Automatic identification and data  
capture techniques -- Bar code verifier conformance  
specification -- Part 1: Linear symbols**

信息技术 自动识别与数据采集技术 条码检测仪一致性规范 第1部分：一维条码  
**(English Translation)**

**Issued on: January 14, 2011**

**Implemented on: May 1, 2011**

---

**Issued by: Standardization Administration of China**

## Table of Contents

|                                                                                      |  |
|--------------------------------------------------------------------------------------|--|
| Preface                                                                              |  |
| 1 Scope                                                                              |  |
| 2 Normative references                                                               |  |
| 3 Terms and definitions                                                              |  |
| 4 Symbols and abbreviations                                                          |  |
| 5 2 conformance requirements                                                         |  |
| 6 Functional requirements                                                            |  |
| 6.1 General Requirements                                                             |  |
| 6.2 Reflectance Calibration                                                          |  |
| 6.3 Basic Functions                                                                  |  |
| 6.4 Optional function                                                                |  |
| 7 3 Installation and conditions of use                                               |  |
| 7.1 Installation, use and maintenance                                                |  |
| 7.2 Power                                                                            |  |
| 7.3 Temperature                                                                      |  |
| 7.4 Humidity                                                                         |  |
| 7.5 Can withstand the ambient light                                                  |  |
| 8 3 testing requirements                                                             |  |
| 8.1 Test Method                                                                      |  |
| 8.2 Test Environment                                                                 |  |
| 8.3 A standard test bar code symbol                                                  |  |
| 8.4 Test Report                                                                      |  |
| 9 Assurance and numeral                                                              |  |
| 10 Equipment Manual                                                                  |  |
| Technical parameters Appendix A (normative) a standard test bar code symbol          |  |
| Appendix B (normative) for a standard test bar code symbol verification requirements |  |

## Foreword

GB/T 26228 "Information technology - Automatic identification and data capture techniques - Bar code detector conformance specification" is divided into two parts.

--- Part 1. one-dimensional bar codes;

--- Part 2. Two-dimensional bar code.

This section GB/T 26228 Part 1.

The partial modification of the use of ISO/IEC 15426-1:2006 "Information technology - Automatic identification and data capture techniques - Bar code detector agreement Specifications - Part 1. one-dimensional bar code

"(Information technology-Automatic identification and data capture techniques-Bar code verifier conformance specification-Part 1. Linear symbols), and ISO/IEC 15426-1:2006 of the main differences are as follows.

--- Increasing the term "one-dimensional bar code detector consistency";

--- In Appendix A sets out all the anti highest and lowest reflectance values  
Reflectance a standard test bar code symbol group composed of values  
Reflectivity test point shall be not more than 10% coverage interval bar code detector  
reflectivity measurement of the entire range, ISO/IEC 15426-1 without this provision.

This part of the Appendix A and Appendix B are normative appendix.

This section presents the Article Numbering Center of China.

This part of the National Information Technology Standardization Technical Committee - Automatic identification and data collection technology division Technical Committee.

This section is responsible for drafting the Article Numbering Center of China, Ministry of Information Industry Institute of Electronics Industry Standardization participate in the drafting.

## 1 Scope

This section GB/T 26228 specifies the classification method for integrated one-dimensional bar code detector conformance requirements and test methods; Regulation Fan calibration standards conformance testing is based.

This section applies to a one-dimensional bar code detector conformance testing.

## 2 Normative references

The following documents contain provisions which, through reference GB/T 26228 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL)

retrieval batch inspection sampling plan (GB/T 2828.1-2003, ISO 2859-1:1999, IDT) GB 12904 barcode for commodity retail commodity numbering and bar code (GB 12904-2008, ISO/IEC 15420:2000, NEQ) GB/T 12905 Tiaoma term GB/T 12908 Information technology - Automatic identification and data capture techniques - Bar code symbology specifications Barcode (GB/T 12908-2002, ISO/IEC 16388:1999, MOD) GB/T 14258 Information technology - Automatic identification and data capture techniques - Bar code symbol print quality test (GB/T 14258-2003, ISO/IEC 15416:2000, MOD) GB/T 18347 128 Tiaoma (GB/T 18347-2001, ISO/IEC 15417:2000) GB/T 19001 quality management system requirements (GB/T 19001-2008, ISO 9001:2008, IDT)

### 3 Terms and definitions

GB/T 12905 and established in the following terms and definitions apply to this section.

A standard test bar code symbol primaryreferencetestsymbol by Yan Geyun poor production, bar code detector is used to test the accuracy of the bar code symbol. The bar code symbol values \u200b\u200bof the parameters measured by a precision Apparatus for measuring results, the measuring device should be traceable to national benchmarks, the resolution should be ten times higher than the average bar code detector.

A one-dimensional bar code detector consistency linearbarcodeverifierconformance A one-dimensional bar code detector can detect an integrated classification method, and the measurement error is within a range of characteristics.

### 4 Symbols and Abbreviations

Article reflectance  $R_b$   $R_{max}$  highest reflectance Minimum reflectance  $R_{min}$