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

GB 6585-1986

Replacing GB/T 6585-1996

**General specification for cathode-ray oscilloscopes
(English Translation)**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard replaces GB/T 6585-1996 "cathode ray oscilloscope universal norms", compared with the GB/T 6585-1996, major changes as follows.

- Remove the applicable range of 1.2 to 1.4, an increase of Chapter 4, "category";
- Deleted the definition of the term is no longer used;
- Request to increase the "Cursor Measurements", "Frequency measurement" technology requirements, eliminating external trigger (sync) adapt at least given frequency the bandwidth requirements;
- Increased in Chapter 9, "Random File";

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This standard by the National Standardization Technical Committee Electronic Measuring Instruments (SAC/TC153) centralized.

This standard was drafted. Jiangsu Luyang Electronic Instrument Group Co., Ltd., the Ministry of Industry and Information Technology Institute of Electronics Standardization.

1 Scope

This standard specifies the terms and definitions of the cathode ray oscilloscope, classification, requirements, test methods, inspection rules, marking, packaging, transportation, storage Keeping and random file.

This standard applies to the measurement of electricity consumption or observe common cathode ray oscilloscope (hereinafter referred to as oscilloscope).

2 Normative references

The following documents for the application of this document is essential For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs GB/T 6587-2012 General specification for electronic measuring instruments GB/T 11464 Electronic Measuring Instruments terms

3 Terms and Definitions

GB/T 11464 and as defined in the following terms and definitions apply to this document.

A cathode ray tube an electron beam tube in which the beam can be focused into a small cross-sectional plane, and can change the position and intensity, which can produce a A visible or detectable graphics.

A cathode ray oscilloscope cathode-ray oscilloscope Measurements or observations with an instrument, which uses a plurality of electron beams or deflected, whereby the function of a variable represents substantially instantaneous value Shows, in general, one of the variables is the time.

Vertical (horizontal) deflection coefficients of vertical (horizontal) deflection coefficient (Horizontal) than the length of the vertical deflection voltage and the voltage generated thereby.

Note: deflection coefficient per unit length represents voltage and 5V/div than 5mV/div deflection coefficient is large, in terms of sensitivity, with a factor of 5V/div the sensitivity of 5mV/div sensitivity than those with lower coefficient.

Extended expansion

Expanding the deflection means, which is generally used to increase the gain of the amplifier, so that part of the display to be enlarged.

Long-term drift Spot the maximum offset in 1h.

Short-term drift 1h in the total recording time of the spot in the most unfavorable 1min maximum deviation.