

JJF

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

JJF 1441-2013

**Program of Pattern Evaluation of Dissolved Oxygen Meter With
Covered-Membrane-Electrode
(English Translation)**

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1 Scope

This program is applicable to the pattern evaluation of laboratory and portable dissolved oxygen meter (hereafter referred to as meter) with measuring range of (0~20) mg/L.

2 References

JJG 291-2008 Dissolved Oxygen Meter with Covered-Meter-Electrode

GB/T 11606-2007 Methods for Environmental Test of Analytical Instruments

HJ 506-2009 Water Quality, Determination of Dissolved Oxygen, Electrochemical Probe Method

The articles contained in above documents have become part this Standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

3 Summary

The meter used for determining constant concentration of dissolved oxygen (DO) in water generally consists of oxygen electrode with covered-membrane, electronic unit and display.

4.1 Technical materials

- a) Photos of prototype;
- b) Enterprise product standard (including test methods);
- c) General assembly drawing, main parts drawing and circuit diagram;
- d) Operation Manual;
- e) Test report provided by research organization or technical institute.

4.2 Experimental prototype

Application organization shall provide the prototype produced by themselves. Applicants can submit applications for single product or a series of products. For single product, applicants shall provide 3 prototypes. For a series of products, applicants shall provide one third of representative standardized products in each series. The number of prototypes of each specification shall be in accordance with the principles of single product application. If the required number of prototypes is too many according to the above principles, applicants can make an appropriate reduction on the number of each representative prototype.

5.1 Requirements for measuring units

Adopt legal measuring units.

5.2 Requirements for degree of accuracy (maxim...

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