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NATIONAL STANDARD OF THE
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ICS 39.040.10

Y 11

GB/T 30106-2013 / ISO 22810:2010

Horology – Water-Resistant Watches

(ISO 22810:2010, IDT)

钟表 防水手表

Issued on: December 17, 2013

Implemented on: November 01, 2014

**Issued by: General Administration of Quality Supervision, Inspection and Quarantine;
Standardization Administration of PRC.**

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard used the translation method to equivalent adopt ISO 22810:2010 *Horology - Water-Resistant Watches*.

This Standard was proposed by China National Light Industry Council.

This Standard shall be under the jurisdiction of National Technical Committee on Watches of Standardization Administration of China (SAC/TC 160).

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Horology – Water-Resistant Watches

1 Scope

This Standard establishes the requirements and specifies the test methods used to verify the water resistance of watches. Moreover, it indicates the marking which the manufacturer is authorized to apply to them.

Divers' watches, specified as such, are covered by ISO 6425 which establishes special requirements.

2 Terms and Definitions

For the purposes of this Document, the following terms and definitions apply.

2.1 Water resistance

Ability to resist water penetration.

2.2 Water-resistant watch

Watch that resists water penetration.

NOTE: This Standard applies to the watch or the watch head.

2.3 Overpressure

Mechanical strain undergone during immersion, expressed in bar¹⁾, proportional to the depth of immersion.

NOTE: Explanations and some useful notions of physics can be found in A.2.1 and A.2.2.

2.4 Immersion depth

Vertical distance, expressed in meters, separating the immersed watch from the water surface.

¹⁾ 1 bar = 10⁵Pa = 10⁵ N/m² and corresponds to 10m water depth.

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