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PEOPLE'S REPUBLIC OF CHINA**

GB 19157-2025

**General specification for remote-controlled fire monitor
systems**

远控消防炮系统通用技术条件

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB 19157-2003 "General Technical Specifications for Remote Control Fire Monitor Systems". Compared with GB 19157-2003, except for the structural adjustment, In addition to the integration and editorial changes, the main technical changes are as follows:

- a) The terms and definitions have been changed (see Chapter 3, Chapter 3 of the.2003 edition);
- b) The classification of remote-controlled fire monitor systems has been changed (see 4.1,.2003 edition);
- c) The method for compiling the model of remote-controlled fire monitor systems has been changed (see 4.2, 4.2 of the.2003 edition);
- d) Added appearance performance requirements for electroplated parts (see 5.1.4);
- e) Added component performance requirements and test methods (see 5.2, 6.2);
- f) Added performance requirements and test methods for remote-controlled fire monitors, and changed the spray performance requirements and test methods for operational-controlled fire monitor systems. (See 5.3, 6.3);
- g) The performance parameters have been changed to include them as part of the performance requirements (see 5.3, Chapter 5 of the.2003 edition);
- h) The water pressure strength performance requirements and test methods have been

changed (see 5.2.2, 6.2.2, and

7.2 of the.2003 edition);

i) The requirements and test methods for the performance of remote-controlled fire monitor spray systems have been modified (see 5.3, 6.3, Chapter 5 of the.2003 edition);

j) The requirements and test methods for the performance of wireless remote controls have been changed (see 5.4, 6.4, and 5.6,

1 Scope

GB 19157-2025 is the Chinese national standard on general specification for remote-controlled fire monitor systems, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 August 2026. Classification: ICS 13.220.01, CCS C84. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document defines the terms and definitions of remote control fire monitor systems, gives classifications and models, and specifies performance requirements, inspection rules and package The packaging, transportation and storage requirements are described, and the corresponding test methods are described. This document applies to the design, manufacture and inspection of various remote-controlled fire monitor systems.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 1173 Cast aluminum alloys

GB/T 1176 Cast copper and copper alloys

GB/T 1348 Ductile iron castings

GB/T 2423.3 Environmental testing Part

3 Terms and Definitions

The terms and definitions defined in GB 19156-2019 and the following apply to this document.

3.1 It is composed of a fixed fire extinguishing agent supply source, a drive component, a delivery pipeline, a spray component, and a control device that can remotely control the direction of the fire monitor. A fixed fire extinguishing system that sprays fire extinguishing agents to extinguish fires on protected objects.

3.2 A remote-controlled fire monitor system consists of a remote-controlled fire monitor, fire monitor turret, power source, control device, fire pump group, etc.

3.3 It is composed of remote-controlled fire foam monitor, fire turret, power source, control device, fire extinguishing agent storage tank (tank), mixing device, fire pump group, etc.

6 Compressed air foam fire trucks

GB/T 9439 Grey iron castings

GB 16668 General technical requirements for dry powder fire extinguishing systems and components

GB/T 17626.3 Electromagnetic compatibility test and measurement techniques Part