
**Cranes — Control layout and
characteristics —**

**Part 1:
General principles**

*Appareils de levage à charge suspendue — Disposition et
caractéristiques des commandes —*

Partie 1: Principes généraux



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Published in Switzerland

Foreword

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ISO 7752-1 was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 7, *Tower cranes*.

This second edition cancels and replaces the first edition (ISO 7752-1:1983), which has been technically revised.

ISO 7752 consists of the following parts, under the general title *Cranes — Control layout and characteristics*:

- *Part 1: General principles*
- *Part 2: Mobile cranes*
- *Part 3: Tower cranes*
- *Part 4: Jib cranes*
- *Part 5: Overhead travelling cranes and portal bridge cranes*

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Cranes — Control layout and characteristics —

Part 1: General principles

1 Scope

This part of ISO 7752 establishes principles and requirements for the controls of cranes. It deals with the arrangement of those controls used in positioning loads and serves as a general basis for the elaboration of detailed standards covering the controls of particular types of cranes.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 12100, *Safety of machinery — General principles for design — Risk assessment and risk reduction*

IEC 60068-2-27, *Environmental testing — Part 2-27: Tests — Test Ea and guidance: Shock*

IEC 60068-2-31, *Environmental testing — Part 2-31: Tests — Test Ec: Rough handling shocks, primarily for equipment-type specimens*

IEC 60204-32:2008, *Safety of machinery — Electrical equipment of machines — Part 32: Requirements for hoisting machines*

3 Terms and definitions

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

3.1

operator

person operating the crane for the purposes of positioning loads

3.2

address code

number used by a receiver to differentiate the frames sent by its transmitter

NOTE The receiver only carries out commands received from a transmitter having the same address code.

3.3

wireless control

means by which the crane operator's commands are transmitted without any physical connection for at least part of the distance between the console and the crane

3.4

console

fixed or moveable arrangement of controls