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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 48317.2-2026

Technical requirements for humanoid robots-Part 2:Environmental perception

人形机器人技术要求 第2部分：环境感知

(English Translation)

Issued on: September 28, 2026 **Implemented on: April 1, 2027**

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-48317-2-2026

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1 Foreword

GB/T 48317.2-2026 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 28 September 2026 and has been in force since 1 April 2027.

It is one of 5 parts of the GB/T 48317 series.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

GB/T 48317.2-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 75,626 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

GB/T 48317.1-2026 - Technical requirements for humanoid robots-Part 1:General

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https://chinastandards.org/standards/gb-t-48317-2-2026

GB/T 48317.3-2026 - Technical requirements for humanoid robots-Part 3:Decision-making and planning

GB/T 48317.4-2026 - Technical requirements for humanoid robots-Part 4:Motion control

GB/T 48317.5-2026 - Technical requirements for humanoid robots-Part 5:Task-oriented manipulation

5 Classification and status

Prefix GB/T: recommended standard.

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