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ICS 35.040
CCS L71

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6495-2025

Data format requirements for intelligent sensor interface

智能传感器数据格式要求

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6495-2025

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1 Foreword

YD/T 6495-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 2025.

The YD/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.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the data format requirements for smart sensors in IoT application scenarios, including data types, general requirements for smart sensor data formats, and data items in smart sensor data tables. This document applies to the research and development, production, and application of smart sensors within IoT systems.

YD/T 6495-2025 falls under ICS 35.040, in the field of information technology.

This catalogue holds 725 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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4 Related standards

Standards on related subjects:

GB 18030-2022 - Information technology - Chinese coded character set

GB/T 37036.1-2018 - Information technology-Biometrics used with mobile devices-Part1: General requirement

GB/T 17710-2008 - Information technology -- Security technique -- Check character systems

YD/T 7413-2026 - Identification and resolution system for Industrial Internet-data escrow technical requirements

YD/T 6939-2026 - Smart multifunctional pole (tower) and related equipment Identification and coding specification for BeiDou grid location code

YD/T 6738-2026 - The technical requirements of video service multicast capability opening - multicast media gateway

5 Classification and status

International classification (ICS): 35.040

Chinese Standard Classification (CCS): L 71

Prefix YD/T: recommended standard.

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