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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YC/T 599.1-2023

**Technical specification for measurement of on-line measuring
instrument in cigarette processing - Part 1: General
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document is Part 1 of YC/T 599 "Technical Specifications for Online Measuring Instruments in Cigarette Processing Processes". YC/T 599 has been issued the following parts have been published.

---Part 1: General principles.

Introduction

Modern cigarette production and processing uses a large number of online measuring instruments to measure process technical indicators such as flow, temperature, moisture, and pressure.

Detection, whose detection data is the basis for design and adjustment of production process parameters, automatic production control, and process quality monitoring. Formulate YC/T 599 "Volume "Technical Specifications for Measuring Online Measuring Instruments in the Tobacco Processing Process" is to guide enterprises to carry out measurement of online measuring instruments in a comprehensive, systematic and standardized manner.

technical job. YC/T 599 is planned to consist of five parts.

---Part 1: General principles. The purpose is to put forward the general procedures and requirements for online measurement work of measuring instruments, and at the same time give the key online Recommended list of measuring instruments.

---Part 2: Belt scale. The purpose is to propose technical guidelines and methods for carrying out measurement work for tobacco-specific belt scales.

---Part 3: Temperature measuring instruments. The purpose is to provide a basis for

carrying out measurement work for temperature measuring instruments used online.

technical standards and methods.

---Part 4: Flow measuring instruments. The purpose is to provide a basis for carrying out measurement work for flow metering instruments used online.

technical standards and methods.

---Part 5: Moisture meter. The purpose is to propose technical guidelines and standards for measurement work based on moisture meters used online.

method.

The proposed components of YC/T 599 are mainly to solve the more prominent problems in current measurement work. With the development of online measurement technology, with the development and continuous in-depth research on the cigarette processing process, YC/T 599 will expand the scope and add more parts.

Technical Specifications for Online Measuring Instruments during Cigarette Processing Part 1: General Provisions

1 Scope

This document stipulates the general technical guidelines for measuring online measuring instruments used in the cigarette processing process.

This document is applicable to the measurement work of online measuring instruments during cigarette processing.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

JJF1071-2010 Rules for Writing National Measurement Calibration Specifications
CNAS-GL015.2022 Determination Rules and Declaration of Conformity Guidelines
CNAS-GL042.2019 Method guide for period verification of measuring equipment
CNAS-TRL-004.2017 Guidelines for determining and adjusting the calibration cycle of measuring equipment

3 Terms and definitions

The following terms and definitions apply to this document.

measuring instrument measuring instrument A device used for measurement, alone or in combination with one or more auxiliary equipment, is also called a measuring instrument.

Note: The measuring instruments described in this document include physical measuring instruments, indicating measuring instruments, measuring systems and measuring equipment.

[Source. JJF1001-2011, 6.1, modified] 3.2 material measure A measuring instrument that has an assigned value and reproduces or provides one or more values in a fixed form when used.

Examples. Gauge blocks and weights can reproduce a single value of length and mass; linear rulers and standard resistance boxes can reproduce multiple values of length and resistance. The above measuring instruments all can be classified into the category of physical measuring tools.

[Source. JJF1001-2011, 6.5, with modifications] 3.3 A measuring instrument that provides an output signal with information about the quantity being measured.

Examples. Pointer pressure gauges and digital display infrared thermometers are indicating measuring instruments.

[Source. JJF1001-2011, 6.3, modified] 3.4 Measuring system measuring system A set of one or more measuring instruments assembled and adapted to provide measured value information within a specified interval for a specific quantity, usually including other