HEIDENHAIN
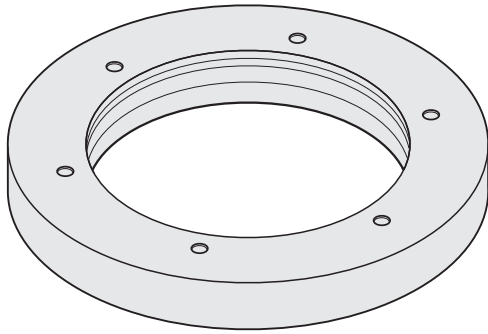
Operating Instructions
(Authorized Documentation)

TTR ERM 2203,
TTR ERM 2203C

English (en)
04/2022

This document is provided in multiple languages and available by QR code or at:
↗ **www.heidenhain.com/documentation**

1376511   Search

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1 Fundamentals

1.1 About these instructions

These Instructions contain all the information and safety precautions needed for the proper operation of the product according to its intended use.

> 📖 Further information is available in specific documents, depending on the life-cycle phase of the product and on the target group for the activity.
>
> **Further information:** "Information based on the document type, the life-cycle phase of the product, and the target group", Page 2

1.2 Notes on reading this document

⚠ WARNING

Fatal accidents, personal injury or property damage caused by non-compliance with the documentation!

Failure to comply with the documentation may result in fatal accidents, personal injury or property damage.

▶ Read the documentation carefully from beginning to end

▶ Keep the documentation for future reference

2 Safety

2.1 Intended use

The products of this/these series are encoders for position measurement.

The products are intended for use in research facilities, commercial applications, and in an industrial environment.

The products must be used only in accordance with the information based on the life-cycle phase of the product and on the target group.

Further information: "Information based on the document type, the life-cycle phase of the product, and the target group", Page 2

2.2 Improper use

Any use not specified in "Intended use" is considered improper use. The company operating the device is solely liable for any damage resulting from improper use.

2.3 Obligations of the operating company

The company operating the product must provide the personnel with the most current version of all documentation on the product.

2.4 General safety precautions

> ⓘ Mounting and initial configuration must be conducted by a qualified specialist in compliance with local safety regulations.

> ⓘ Encoders and encoder accessories may only be repaired by trained HEIDENHAIN technicians.

⚠ WARNING

Fatal accidents, personal injury, or property damage when engaging or disengaging live connecting elements

Engaging or disengaging connecting elements while the system is under power may result in fatal accidents, personal injury, or property damage.

▶ Do not engage or disengage any connecting elements while the product is under power.

> ⓘ Encoders and encoder accessories that have contributed to the failure of a safety function in the application must be returned to HEIDENHAIN Traunreut.

3 Information based on the document type, the life-cycle phase of the product, and the target group

> **i** The following documents must be read and observed by the stated target groups before mounting, initial configuration, or disposal of the encoder.

> **📖** Freely available documents are available at **↗ www.heidenhain.com/documentation**.
> Further documents are available upon **@ Request**.

Document	Document ID	Life-cycle phase of the product/ Contents	Installation technician	Designer	Control manufacturer
Operating Instructions **Operating Instructions TTR ERM 2203, TTR ERM 2203C**	1376511	▪ Operation of the unit	✓	✓	✓
Mounting Instructions **Mounting Instructions TTR ERM 2203, TTR ERM 2203C**	1304564	▪ Mounting the product	✓	✓	
Brochure **Interfaces of HEIDENHAIN Encoders**	1078628	▪ Interfaces and measuring methods ▪ Electrical connection ▪ Interface electronics			✓
Brochure **Cables and Connectors**	1206103	▪ Cables and connectors for signal transmission between the position measuring system and the subsequent electronics		✓	
Brochure **Modular Angle Encoders With Scale Drum or Scale Tape**	1371806	▪ Technical features, operating conditions, and mounting information ▪ Specifications, dimension drawing ▪ Accessory		✓	
Specification **CAD**	**↗ Website** Find product ID	▪ Views ▪ Dimensions	✓	✓	