

Safety Instructions

Memocheck CYP02E

Service tool for fast checking of measuring systems

Safety instructions for electrical apparatus in
explosion-hazardous areas



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Associated documentation

An overview of the scope of the associated technical documentation is provided by the Device Viewer.

1. www.endress.com
2. Enter the serial number from the nameplate into the search field (magnifying glass).



This document is an integral part of Operating Instructions BA02017C.

Additional documentation



- Competence Brochure CP00021Z
 - Explosion Protection: Guidelines and General Principles
 - www.endress.com

Certificates and declarations

The certificates and declarations of conformity are available in the Downloads area of the Endress+Hauser website:

www.endress.com/download

Identification

The nameplate provides you with the following information on your device:

- Manufacturer identification
- Order code
- Extended order code
- Serial number
- Safety information and warnings
- Ex marking on hazardous area versions

► Compare the information on the nameplate with the order.

Type code

Type	Version				
CYP02E-	ME	*	**	***	+*
	INMETRO Ex ia IIC T6 Gb	No Ex relevance			

Certificates and approvals

Ex approvals

The product has been certified in compliance with the following:

- ABNT NBR IEC 60079-0:2020
- ABNT NBR IEC 60079-11:2013
- Portaria INMETRO n° 115 de 21/03/2022

Ex ia IIC T6 Gb

Approved Body

TÜV Rheinland do Brasil Ltda

Safety Instructions

The Memocheck CYPO2E is suitable for use in explosion-hazardous areas according to:

- Certificate number: TÜV 23.1277 X
- The sensor simulator must not be operated under electrostatically critical process conditions. Avoid strong steam or dust currents that act directly on the connection system.
- Ex-protected digital sensor simulators with Memosens technology are identified by an orange-red ring on the terminal head.
- When using devices and sensors, observe the regulations for electrical systems in hazardous areas (EN 60079-14).
- The procedures for electrical connection described in the Operating Instructions must be followed.
- Memocheck CYPO2E is not suitable for use directly in the process.

Temperature tables

Sensor	Temperature class	Process temperature T_p	Ambient temperature T_a
CYPO2E	T6	Memocheck CYPO2E is not suitable for use directly in the process	$-15\text{ °C (5 °F)} \leq T_a \leq 70\text{ °C (158 °F)}$

Connection data

Ex specification

- The CYPO2E-type Memocheck sensor simulators are approved according to the INMETRO type-examination certificate TÜV 23.1277 X and are suitable for use in explosion-hazardous environments.
- The approved CYPO2E-type Memocheck sensor simulators have an intrinsically safe input with the following parameter set:

Parameter	Value
P_1	180 mW

The approved CYPO2E-type Memocheck sensor simulators must be connected to a Memosens measuring cable with an intrinsically safe output with the following parameter set:

Parameter	Value
P _o	Maximum 180 mW



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