

# Safety Instructions

## **Memocheck CYP02E**

Supplement to BA02017C

Safety instructions for electrical apparatus in explosion-hazardous areas





# Memocheck CYP02E

Supplement to BA02017C

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**Associated documentation** This document is an integral part of Operating Instructions BA02017C.

**Supplementary documentation**



- Competence Brochure CP00021Z
- Explosion Protection: Guidelines and General Principles
  - [www.endress.com](http://www.endress.com)

**Certificates**

BRA Certificate of Compliance, certificate number: TÜV 20.0538 X

**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				
CYPO2E-	ME	*	**	***	+*
	INMETRO Ex ia IIC T6 Gb	No Ex relevance			

**Certificates and approvals**

*Hazardous area approval*

The product has been certified in compliance with the following:

- ABNT NBR IEC 60079-0:2013
- ABNT NBR IEC 60079-11:2013
- Portaria INMETRO n° 179 de 18/05/2010

Certificate number: TÜV 20.0538 X

TÜV Rheinland do Brasil Ltda

**Safety instructions**

- The sensor simulators 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 (ABNT NBR IEC 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	$-15\text{ °C} \leq T_a \leq +70\text{ °C}$

**Connection****Ex specification**

- The Memocheck sensor simulators, type series CYP02E, are approved according to the INMETRO type-examination certificate TÜV 20.0538 X and are suitable for use in explosion-hazardous environments.
- The approved CYP02E-type Memocheck sensor simulators have an intrinsically safe input with the following parameter set:

Parameter	Value
P <sub>1</sub>	180 mW

The approved CYP02E-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 <sub>o</sub>	Maximum 180 mW



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