

Safety Instructions

Memocheck CYP02E

Supplement to BA02017C

Safety instructions for electrical equipment for explosion-hazardous areas



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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

Manufacturer's certificate

- EU Declaration of Conformity EC_00851
- EU type-examination certificate BVS 19 ATEX E 062 X
- IECEX certificate IECEX BVS 19.0056X

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*ATEX*

Type	Version				
CYP02E-	BD 8H 8I	*	**	(***) ¹⁾	+*
x=C, O, OC No Ex relevance	II 2G Ex ia IIC T6 Gb	No Ex relevance			

1) Only for O or OC

IECEX

Type	Version				
CYP02E-	ID 8H 8I	*	**	(***) ¹⁾	+*
x=C, O, OC No Ex relevance	Ex ia IIC T6 Gb	No Ex relevance			

1) Only for O or OC

Certificates and approvals*Ex approvals**ATEX*

 II 2G Ex ia IIC T6 Gb

IECEX

Ex ia IIC T6 Gb

Notified body

DEKRA Testing and Certification GmbH
Bochum

Safety instructions

The Memocheck CYP02E is suitable for use in explosion-hazardous areas.

- 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 (EN/IEC 60079-14).
- The procedures for electrical connection described in the Operating Instructions must be followed.
- Memocheck CYP02E is not suitable for use directly in the process.
- No changes may be made to the device, except for those permitted in the Operating Instructions.
- The applicable standards can be found on the EU type-examination certificate and the IECEx certificate

Temperature tables

Sensor	Temperature class	Process temperature T_p	Ambient temperature T_a
CYP02E	T6	Memocheck CYP02E is not suitable for use directly in the process	$-15\text{ °C} \leq T_a \leq +70\text{ °C}$

Connection**Ex specification**

- The CYP02E-type Memocheck sensor simulators are approved according to the and are suitable for use in explosion-hazardous environments.
- The sensors can be connected in both Class I Division 1 and Class I Division 2.
- Devices intended for Division 1 may be used in Division 2, provided they are installed in the same manner as specified for Division 1 (NEC 500.8(B)(2)). This is the case with Memosens sensors with inductive coupling between the sensor and the cable. There is no difference in installation method between the sensor and the cable.
- For information on the connection between the cable and the transmitter, follow the relevant XA documentation for the transmitter.
- The approved CYP02E-type Memocheck sensor simulators have an intrinsically safe input with the following parameter set:

Parameter	Value
P_i	180 mW

The approved CYP02E-type Memocheck sensor simulators must be connected to a Memosens cable with an intrinsically safe output with the following parameter:

Parameter	Value
P_o	Maximum 180 mW



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