

Safety Instructions

Memocheck CYP02E

Supplement to BA02017C

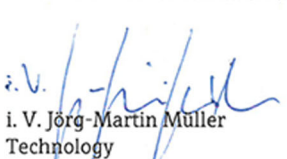
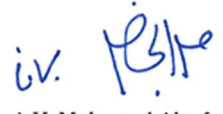
Safety instructions for electrical apparatus in explosion-hazardous areas



EU-Konformitätserklärung
EU-Declaration of Conformity
Déclaration UE de Conformité

Endress+Hauser 
 People for Process Automation



Company	Endress+Hauser Conducta GmbH+Co. KG Dieselstraße 24, 70839 Gerlingen, Germany erklärt als Hersteller in alleiniger Verantwortung, dass das Produkt declares as manufacturer under sole responsibility, that the product déclare sous sa seule responsabilité en qualité de fabricant que le produit	
Product	Sensor-Simulatoren / sensor simulators / simulateurs de capteurs CYP02E-xx-* ** *** +* xx= BD, 8H, 8I	
Regulations	den folgenden Europäischen Richtlinien entspricht: conforms to following European Directives: est conforme aux prescription des Directives Européennes suivantes : EMC 2014/30/EU (L96/79) ATEX 2014/34/EU (L96/309) RoHS 2011/65/EU (L174/88)	
Standards	angewandte harmonisierte Normen oder normative Dokumente: applied harmonized standards or normative documents: normes harmonisées ou documents normatifs appliqués : EN 61326-1 (2013) EN IEC 60079-0 (2018) EN 61326-2-3 (2013) EN 60079-11 (2012) EN 50581 (2012)	
Certification	EG-Baumusterprüfbescheinigung Nr. EC-Type Examination Certificate No. Numéro de l'attestation d'examen CE de type Ausgestellt von/issued by/développé par Qualitätssicherung/Quality assurance/Système d'assurance qualité Gerlingen, 21 July 2020 Endress+Hauser Conducta GmbH+Co. KG	BVS 19 ATEX E 062 X DEKRA EXAM GmbH (0158) DEKRA EXAM GmbH (0158)
	 i. V. Jörg-Martin Müller Technology	 i. V. Mohamed Algafy Technology Certifications and Approvals

EC_00851_01.20

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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**

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

Declaration of Conformity

With this Declaration of Conformity, the manufacturer guarantees that the product conforms to the regulations of European EMC Directive 2014/30/EU, ATEX Directive 2014/34/EU and RoHS Directive 2011/65/EU. Compliance is verified by adherence to the standards listed in the Declaration of Conformity.

Hazardous area approvals

ATEX

 II 2G Ex ia IIC T6 Gb

IECEX

Ex ia IIC T6 Gb

The product meets the requirements of the "IEC Certification Scheme for Explosive Atmospheres". This is verified by compliance with the standards listed in the IECEX Certificate. The IECEX certificate can be viewed on the following website: www.iecex.com.

Notified Body

DEKRA EXAM GmbH

Safety Instructions

The Memocheck CYP02E is suitable for use in explosion-hazardous areas according to:

- IECEX certificate IECEX BVS 19.0056X
- EU type-examination certificate BVS 19 ATEX E 062 X
- 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.
- This device was developed and manufactured in accordance with Directive 2014/34/EU dated February 26, 2014 and also complies with the following standards:
 - EN IEC 60079-0:2018 / IEC 60079-0:2017
Hazardous areas
Part 0: General requirements
 - EN 60079-11:2012 / IEC 60079-11:2011 + Corr.:2012
Electric equipment for hazardous areas Part 11: Intrinsic safety "i"

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 °C ≤ T _a ≤ +70 °C

Connection

Ex specification

- The CYP02E-type Memocheck sensor simulators are approved according to EU type-examination certificate BVS 19 ATEX E 062 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 _i	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 _o	Maximum 180 mW



71496583

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