

Safety Instructions

Memocheck CYP02E

Service tool for fast checking of measuring systems

Supplement to BA02017C
Safety instructions for electrical apparatus in
explosion-hazardous areas
UK Ex II 2G Ex ia IIC T6 Gb



**UK
CA**



UK-Declaration of Conformity



Company **Endress+Hauser Conducta GmbH+Co. KG**
Dieselstraße 24, 70839 Gerlingen, Germany
declares as manufacturer under sole responsibility, that the product

Product Sensor simulators
CYP02E-UD * * * * * + *

Regulations conforms to following UK statutory requirements:

The Electromagnetic Compatibility Regulations	SI 2016 No. 1091
The Equipment and Protective Systems Intended for use in Potentially Explosive Atmosphere Regulations	SI 2016 No. 1107
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations	SI 2012 No. 3032

Standards applied designated standards:

EN 61326-1	(2013)	EN IEC 60079-0	(2018)
EN 61326-2-3	(2013)	EN 60079-11	(2012)
EN 61326-2-5	(2013)		
EN IEC 63000	(2018)		

Certification UK Type Examination Certificate No. CML 21UKEX2129X
issued by Approved Body Eurofins E&E CML Limited-UK (2503)
Quality assurance Eurofins E&E CML Limited-UK (2503)

Gerlingen, 10 June 2021
Endress+Hauser Conducta GmbH+Co. KG


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Technology Certifications and Approvals

Memocheck CYP02E

Service tool for fast checking of measuring systems

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Associated documentation

This document is an integral part of Operating Instructions BA02017C.

Additional documentation



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

Manufacturer's certificate

UK 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

UK Ex

Type	Version				
xYP02E-	UD	*	**	(***) ¹⁾	+*
x=C, O, OC No Ex relevance	UK Ex II 2G 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 UK statutory requirements:

- The Electromagnetic Compatibility Regulations SI 2016 No. 1091
- The Equipment and Protective Systems Intended for use in Potentially Explosive Atmosphere Regulations SI 2016 No. 1107
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations SI 2012 No. 3032

Compliance is verified by adherence to the standards listed in the Declaration of Conformity.

Ex approvals

CYP02E

 UK Ex II 2G Ex ia IIC T6 Gb

Approved Body

Eurofins E&E CML Limited (UK)

Safety Instructions

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

- UK Type Examination Certificate No. CML 21UKEX2129X
- 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 CYP02E is not suitable for use directly in the process.
- This device was developed and manufactured in accordance with SI 2016 No. 1107 and also complies with the following standards:
 - EN IEC 60079-0 :2018
Electrical apparatus for explosive gas atmospheres
 - EN 60079-11:2012
Explosive atmospheres. Equipment protection by 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 UK type-examination certificate CML 21UKEX2129X 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



71533085

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