

Safety Instructions

Memocheck CYP02E

Service tool for fast checking of measuring systems

CSA C/US IS Cl. I Div. 1 GP A-D T6 + CSA C/US IS Cl. I
Zone 0 AEx ia IIC T6



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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

Certificates

CSA C/US certificate, certificate number: CSA20CA80021490X

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-	CI 8I				
	CSA C/US IS Cl. I Div. 1 GP A-D T6 + CSA C/US IS Cl. I Zone 0 AEx ia IIC T6	* Means all options are certified			

Certificates and approvals

Ex approval

CSA C/US IS Cl. I Div. 1 GP A-D T6

CSA C/US IS Cl. I Zone 0 AEx ia IIC T6

Details on the standards that have been met are listed in the certificate.

Safety instructions

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

- The Memocheck CYPO2E 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.
- Install the device according to the National Electrical Code (NFPA70) or the Canadian Electrical Code, Part 1 (C22.1), where applicable.
- The procedures for electrical connection described in the Operating Instructions must be followed.
- The Memocheck CYPO2E sensor simulator is not suitable for use directly in the process.
- Only use the device as specified in the relevant Operating Instructions. Improper use can impair protection.
- The system integrator is responsible for the safety of any system into which this device is integrated.

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

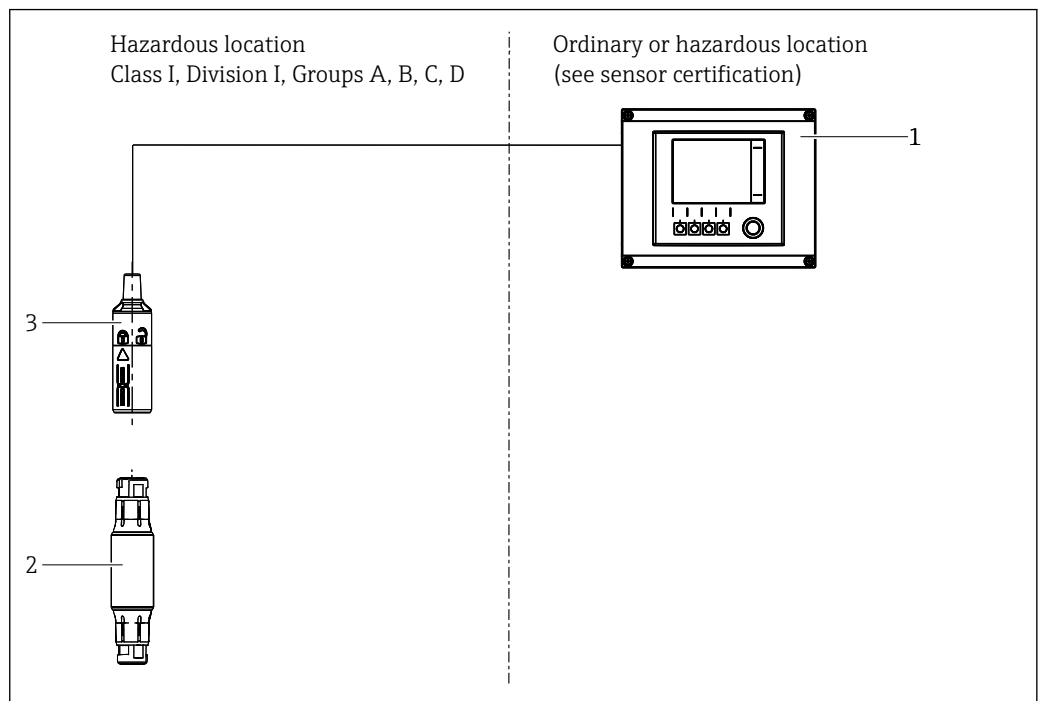
- The sensors can be connected in both Class I Division 1 and Class I Division 2.
- Devices intended for Division 1 may be used in Division 2, provided they are installed in the same manner as specified for Division 1 (NEC 500.8(B)(2)). This is the case with Memosens sensors with inductive coupling between 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

Installation conditions



1 Installation in explosion-proof areas

- 1 Transmitter or control unit
- 2 Sensor type CYP02E
- 3 Cable CYK10

A0062130



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