

Digital service and qualification tool Memocheck Sim CYP03D

All-round checker for Memosens measuring points in all industries



More information and current pricing:

www.be.endress.com/CYP03D

Benefits:

- Fast and reliable functions checks: Freely definable measured values or value ramps offer full flexibility during installation, commissioning, troubleshooting or plant qualification.
- Suitable for controlled environments: Quality certificate and traceable calibration certificate are available on request.
- Safety for your measuring chain: Checks signal transmission from cable coupling to the process control system.
- All parameters in one tool: pH, ORP, conductivity, dissolved oxygen, chlorine, turbidity, nitrate, SAC.
- Approved for hazardous area use.

Field of application: Memocheck Sim CYP03D is the flexible service and qualification tool for all applications. It simulates definable values and supports you in installation, commissioning or troubleshooting. Memocheck Sim is connected instead of the sensor and checks the complete measuring chain from cable coupling to the process control system, proving that measured value transmission is error free. With the optional quality certificate, you can use Memocheck Sim for full measuring point qualification.

Features and specifications

Disinfection

Measuring principle

Free chlorine

Application

Simulation of freely configurable values for qualification of digital data transmission of analysis measuring points with Memosens protocol Multiparameter, main- and secondary values

Measurement range

Ranges like the simulated sensors

Dimension

Handheld:

94 x 236 x 25 to 40 mm

3.7 x 9.29 x 0.98 to 1.57 inch

Process temperature

Ambient temperature: -20 to 50 °C (-4 to 120 °F)

Connection

Battery powered

pH

Measuring principle

Potentiometric

Application

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pH

Application

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Installation

Temporary connection via Memosens cable with inductive coupling.

Installation

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Measurement range

Ranges like the simulated sensors.

Measurement range

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Measurement range

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Dimension

Handheld, 9,5 x 23,5 x 3,5 cm

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94 x 236 x 25 to 40 mm

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Process temperature

-20...55°C ambient temperature

Process temperature

-20...55°C ambient temperature

pH

Process temperature

Ambient temperature: -20 to 50 °C (-4 to 120 °F)

Ex certification

ATEX: Ex ia, zone 1

Ex certification

ATEX: Ex ia, zone 1

Ex certification

ATEX, IECEx, CSA

Connection

Battery powered

Connection

Battery powered

Connection

Battery powered

Ingres protection

IP65

Ingres protection

IP65

Ingres protection

IP65

ORP / Redox

Measuring principle

Sensor ORP / Redox

Application

Simulation of freely configurable values for qualification of digital data transmission of analysis measuring points with Memosens protocol Multiparameter, main- and secondary values

ORP / Redox**Installation**

Temporary connection via Memosens cable with inductive coupling

Measurement range

Ranges like the simulated sensors

Dimension

Handheld:

94 x 236 x 25 to 40 mm

3.7 x 9.29 x 0.98 to 1.57 inch

Process temperature

Ambient temperature: -20 to 50 °C (-4 to 120 °F)

Ex certification

ATEX, IECEx, CSA

Connection

Battery powered

Ingres protection

IP65

Oxygen**Measuring principle**

Amperometric oxygen measurement

Application

Simulation of freely configurable values for qualification of digital data transmission of analysis measuring points with Memosens protocol Multiparameter, main- and secondary values

Installation

Temporary connection via Memosens cable with inductive coupling

Measurement range

Ranges like the simulated sensors

Oxygen

Dimension

Handheld:

94 x 236 x 25 to 40 mm

3.7 x 9.29 x 0.98 to 1.57 inch

Process temperature

Ambient temperature: -20 to 50 °C (-4 to 120 °F)

Ex certification

ATEX: Ex ia, zone 0

Connection

Battery powered

Ingres protection

IP65

Turbidity

Measuring principle

Single beam scattered light

Application

Simulation of freely configurable values for qualification of digital data transmission of analysis measuring points with Memosens protocol. Multiparameter, main- and secondary values

Installation

Temporary connection via Memosens cable with inductive coupling.

Measurement range

Ranges like the simulated sensors.

Dimension

Handheld, 9,5 x 23,5 x 3,5 cm

Process temperature

-20...55°C ambient temperature

Turbidity

Ex certificationATEX: Ex ia, zone 1

ConnectionBattery powered

Ingres protectionIP65

Conductivity

Measuring principlePotentiometric

Application

Simulation of freely configurable values for qualification of digital data transmission of analysis measuring points with Memosens protocol Multiparameter, main- and secondary values

InstallationTemporary connection via Memosens cable with inductive coupling

Measurement rangeRanges like the simulated sensors

Dimension

Handheld:

94 x 236 x 25 to 40 mm

3.7 x 9.29 x 0.98 to 1.57 inch

Process temperatureUmgebungstemperatur: -20 to 50 °C (-4 to 120 °F)

Ex certificationATEX, IECEx, CSA

ConnectionBattery powered

Conductivity

Ingres protection

IP65

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