

4-channel transmitter Liquiline CM444R

Expandable multiparameter DIN-rail and cabinet device for all industries



Meer informatie en actuele prijzen:

www.be.endress.com/CM444R

Voordelen:

- **Saves space, saves money:**
Small footprint, 4 channels in one device, expandable at any time, saves space in cabinets – perfect for skids.
- **High-speed installation:**
No cut-out in cabinet door, one-click DIN-rail mounting, minimized wiring.
- **Simple and safe commissioning:**
Saving configuration on SD card enables fast set-up on duplicate installations.
- **Easy to operate and service:**
Intuitive user interface, hot plug & play with pre-calibrated Memosens sensors, universal components fit all parameters.
- **Process control from a distance:**
Integrated web server that allows the operator to remotely view diagnostic data, perform configurations, or access device parameters in any web browser - even via Smartphone.
- **Higher availability, lower costs:**
Heartbeat Technology enables status-oriented maintenance and easy verification of the entire measuring point and helps to carry out optimization measures.

Overzicht specificaties

- **Input** 1 to 4x Memosens digital input 2x 0/4 to 20mA Input optional 2 to 4x Digital input optional
- **Output / communication** 2 to 8x 0/4 to 20 mA current outputs, alarmrelay, 4x relay, ProfibusDP, Modbus RS485, Modbus TCP, Ethernet

- **Ingres protection** Transmitter: IP20 Optional Display: IP66

Toepassingsgebied: Liquiline CM444R allows you to connect up to 4 Memosens sensors of your choice from over 12 measurement parameters. With its compact design, it fits into any cabinet and can be expanded at any time with inputs, outputs, controllers, math modules, and sensor channels. The transmitter belongs to the Liquiline platform with standardized system integration, operation, and spare parts. Heartbeat Technology helps you find the ideal balance between measurement point availability and maintenance costs.

Kenmerken en specificaties

pH

Meetprincipe

Potentiometric

Application

Modular 4 wire controller

Multichannel: 1 to 4 digital channels for Memosens protocol

Multiparameter: pH, redox, ISFET, conductivity inductive and conductive, dissolved oxygen, nitrate and turbidity

4 sensors connectable in any combination

Functionality modular extendable at any time

Plug and play for modules and sensors

Characteristic

Robust plastic housing

All non-ex applications

Design

2 to 4x Memosens input, 2 to 8x current output,

Alarmrelay, 4x relay, SD card for software update and copy & paste of setup

Material

DIN rail housing: PC-FR

Display seal: EPDM

pH

Dimension

220 x 100 x 97 mm

8.66 x 3.94 x 3.82 inch

Process temperature

0 to 55 °C (32 to 130 °F)

Ingres protection

Transmitter: IP20

Optional Display: IP66

Input

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2x 0/4 to 20mA Input optional

2 to 4x Digital input optional

Output / communication

2 to 8x 0/4 to 20 mA current outputs, alarmrelay,

4x relay, ProfibusDP, Modbus RS485, Modbus TCP, Ethernet

Additional certifications

EAC, cCSAus

ORP / Redox

Meetprincipe

Sensor ORP / Redox

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Conductivity

Meetprincipe

Conductive

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Oxygen

Meetprincipe

Amperometric oxygen measurement

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Oxygen

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Disinfection

Meetprincipe

Total chlorine

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Turbidity

Meetprincipe

Single beam scattered light

Turbidity

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Turbidity**Output / communication**

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Sludge Level**Meetprincipe**

Ultrasonic sensor

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