

8-channel transmitter Liquiline CM448

Flexible multiparameter field device for all industries



Več informacij in aktualne cene:

www.si.endress.com/CM448

Prednosti:

- **Clever simplicity:**
One controller for all parameters and applications, intuitive user interface, automatic sensor recognition, hot plug & play with pre-calibrated Memosens sensors.
- **Complete package:**
8 channels in one device provide the highest flexibility for every measuring task.
- **Seamless system integration:**
Unique portfolio of communication standards suits every distributed control system (DCS).
- **Simple and safe commissioning:**
Saving configuration on SD card enables fast set-up on duplicate installations.
- **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.

Lastnosti na dlani

- **Input** 1 to 8x 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** IP66 / IP67

Področje uporabe: The Liquiline CM448 transmitter allows you to connect up to 8 Memosens sensors of your choice from over 12 measurement parameters. It offers automatic sensor recognition, simple operation, and standardized spare parts with all other devices of the Liquiline platform. With its inputs, outputs, controllers, and math modules, you can even control cleaning systems or dosing pumps. Heartbeat Technology helps you find the ideal balance between measuring point availability and maintenance costs.

Lastnosti in specifikacije

Conductivity

Merilni princip

Conductive

Application

Modular 4 wire controller

Multichannel: 1 to 8 digital channels for Memosens protocol

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

8 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

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

Alarmrelay, 2x relay, SD card for software update and copy & paste of setup

Conductivity**Material**

Housing base: PC-FR

Housing seal EPDM

Dimension

237 x 194 x 162 mm

9.33 x 7.64 x 6.38 inch

Ingres protection

IP66 / IP67

Input

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Additional certifications

EAC, cCSAus

ORP / Redox**Merilni princip**

Sensor ORP / Redox

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Process temperature

-20 to 55 °C (0 to 130 °F)

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Disinfection

Merilni princip

Free chlorine

Disinfection

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Disinfection**Additional certifications**EAC, cCSAus

Analyser**Merilni princip**Potentiometric / ISE

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Oxygen**Merilni princip**Amperometric oxygen measurement

Oxygen

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Oxygen

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pH

Merilni princip

Potentiometric

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pH**Input**

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Turbidity**Merilni princip**

Single beam scattered light

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