

8-channel transmitter Liquiline CM448R

Flexible multiparameter DIN-rail and cabinet device for all industries



Več informacij in aktualne cene:

www.si.endress.com/CM448R

Prednosti:

- **Saves space, saves money:**
Small footprint, 8 channels in one device, 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.

Lastnosti na dlani

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

- **Ingres protection** IP20 transmitter IP66 optional Display

Področje uporabe: Liquiline CM448R allows you to connect up to 8 Memosens sensors of your choice from over 12 measurement parameters. With its compact design, it fits into any cabinet - and even offers inputs, outputs, controllers, and math modules, e.g. for control of sensor cleaning. 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.

Lastnosti in specifikacije

Oxygen

Merilni princip

Amperometric oxygen measurement

Application

Modular 4 wire controller

Multichannel: 1-8 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...8x current output

alarmrelay

2x relay

SD card for software update and copy & paste of setup

Oxygen

Material

Polycarbonate

Dimension

220 (8.66) x 100 (3.94) x 98 (3.86) mm (inch)

Process temperature

-20...55°C / 0...130°F

Input

1...8x Memosens digital input
2x 0/4..20mA Input optional
2..4x Digital input optional

Output / communication

2...8x 0/4...20 mA current outputs
alarmrelay
4x relay
ProfibusDP
Modbus RS485
Modbus TCP
Ethernet

ORP / Redox

Merilni princip

Sensor ORP / Redox

Application

Modular 4 wire controller
Multichannel:1-8 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

ORP / Redox

Characteristic

Robust plastic housing
All non-ex applications

Design

8x Memosens input
2...8x current output
alarmrelay
2x relay
SD card for software update and copy & paste of setup

Material

Polycarbonate

Dimension

220 (8.66) x 100 (3.94) x 98 (3.86) mm (inch)

Process temperature

-20...55°C / 0...130°F

Ingres protection

IP20 transmitter
IP66 optional Display

Input

1...8x Memosens digital input
2x 0/4...20mA Input optional
2..4x Digital input optional

Output / communication

2...8x 0/4...20 mA current outputs
alarmrelay
4x relay
ProfibusDP
Modbus RS485
Modbus TCP
Ethernet

Conductivity

Merilni princip

Conductive

Application

Modular 4 wire controller

Multichannel: 1-8 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...8x current output

alarmrelay

2x relay

SD card for software update and copy & paste of setup

Material

Polycarbonate

Dimension

220 (8.66) x 100 (3.94) x 98 (3.86) mm (inch)

Process temperature

-20...55°C / 0...130°F

Ingres protection

IP20 transmitter

IP66 optional Display

Conductivity

Input

1...8x Memosens digital input
2x 0/4...20mA Input optional
2..4x Digital input optional

Output / communication

2...8x 0/4...20 mA current outputs
alarmrelay
4x relay
ProfibusDP
Modbus RS485
Modbus TCP
Ethernet

Turbidity

Merilni princip

Single beam scattered light

Application

Modular 4 wire controller
Multichannel: 1-8 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...8x current output
alarmrelay
2x relay
SD card for software update and copy & paste of setup

Turbidity**Material**Polycarbonate

Dimension220 (8.66) x 100 (3.94) x 98 (3.86) mm (inch)

Process temperature-20...55°C / 0...130°F

Ingres protection

IP20 transmitter

IP66 optional Display

Input

1...8x Memosens digital input

2x 0/4...20mA Input optional

2..4x Digital input optional

Output / communication

2...8x 0/4...20 mA current outputs

alarmrelay

4x relay

ProfibusDP

Modbus RS485

Modbus TCP

Ethernet

Sludge Level**Merilni princip**Ultrasonic sensor

Sludge Level

Application

Modular 4 wire controller

Multichannel: 1-8 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...8x current output

alarmrelay

2x relay

SD card for software update and copy & paste of setup

Material

Polycarbonate

Dimension

220 (8.66) x 100 (3.94) x 98 (3.86) mm (inch)

Process temperature

-20...55°C / 0...130°F

Ingres protection

IP20 transmitter

IP66 optional Display

Input

1...8x Memosens digital input

2x 0/4..20mA Input optional

2..4x Digital input optional

Sludge Level

Output / communication

2...8x 0/4...20 mA current outputs
alarmrelay
4x relay
ProfibusDP
Modbus RS485
Modbus TCP
Ethernet

Disinfection

Merilni princip

Total chlorine

Application

Modular 4 wire controller
Multichannel:1-8 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...8x current output
alarmrelay
2x relay
SD card for software update and copy & paste of setup

Material

Polycarbonate

Disinfection**Dimension**

220 (8.66) x 100 (3.94) x 98 (3.86) mm (inch)

Process temperature

-20...55°C / 0...130°F

Input

1...8x Memosens digital input

2x 0/4..20mA Input optional

2..4x Digital input optional

Output / communication

2...8x 0/4...20 mA current outputs

alarmrelay

4x relay

ProfibusDP

Modbus RS485

Modbus TCP

Ethernet

pH**Merilni princip**

Potentiometric

Application

Modular 4 wire controller

Multichannel:1-8 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

pH

Design

8x Memosens input
2...8x current output
alarmrelay
2x relay
SD card for software update and copy & paste of setup

Material

Polycarbonate

Dimension

220 (8.66) x 100 (3.94) x 98 (3.86) mm (inch)

Process temperature

-20...55°C / 0...130°F

Ingres protection

IP20 transmitter
IP66 optional Display

Input

1...8x Memosens digital input
2x 0/4...20mA Input optional
2..4x Digital input optional

Output / communication

2...8x 0/4...20 mA current outputs
alarmrelay
4x relay
ProfibusDP
Modbus RS485
Modbus TCP
Ethernet

Več informacij www.si.endress.com/CM448R