

1-/2-kanaals transmitter Liquiline CM442R

Compacte multiparameter DIN-rail en kastinstrument voor elke industrie



Meer informatie en actuele prijzen:

www.be.endress.com/CM442R

Voordelen:

- **Bespaart ruimte, bespaart geld:**
uiterst compact, bespaart ruimte in kasten – perfect voor skids.
- **Snelle installatie:**
geen uitsnede nodig in deur van de schakelkast, one-click DIN-rail bevestiging, minimale bedrading.
- **Eenvoudige en veilige inbedrijfstelling:**
door de configuratie op een SD-kaart op te slaan kunnen de instellingen snel naar een tweede installatie worden gekopieerd.
- **Makkelijk te bedienen en te onderhouden:**
intuïtieve gebruikersinterface, hot plug & play met vooraf gekalibreerde Memosens-sensoren, universele componenten voor alle parameters.
- **Procesbewaking op afstand:**
geïntegreerde webserver die de operator in staat stelt om op afstand diagnosegegevens te bekijken, configuraties uit te voeren of toegang te krijgen tot instrumentparameters in elke webbrowser - zelfs via smartphone.
- **Hogere beschikbaarheid, lagere kosten:**
Heartbeat Technology maakt statusgericht onderhoud en eenvoudige verificatie van het gehele meetpunt mogelijk en helpt bij het uitvoeren van optimalisatiemaatregelen.

Overzicht specificaties

- **Input** 1 to 2x Memosens digital input 2x 0/4 to 20mA Input optional 2x Digital input optional
-

Output / communication 2 to 8x 0/4 to 20 mA current outputs
Alarmrelay, 2x relay, ProfibusDP, Modbus RS485, Modbus TCP,
Ethernet

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

Toepassingsgebied: De Liquiline CM442R is een gebruiksvriendelijke digitale multiparameter-transmitter voor procesbewaking en -besturing geschikt voor alle toepassingen - zelfs op plaatsen met weinig ruimte. Deze bespaart u tijd en geld dankzij de eenvoudige en snelle systeemintegratie, installatie en bediening. De 1-/2-kanaals controller is uiterst compact en past in elke kast. De Liquiline CM442R biedt u alle voordelen van een best-in-class transmitter, van slimme eenvoud tot optimale procesveiligheid.

Kenmerken en specificaties

pH

Meetprincipe

Potentiometric

Application

Modular 4 wire controller

Multichannel: 1/2 digital channels for Memosens protocol

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

Two 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

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

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

pH

Material

DIN rail housing: PC-FR

Display seal: EPDM

Dimension

99 x 100 x 97 mm

3.9 x 3.94 x 3.82 inch

Process temperature

0 to 60 °C (32 to 140 °F)

Ingres protection

Transmitter: IP20

Optional Display: IP66

Input

1 to 2x Memosens digital input

2x 0/4 to 20mA Input optional

2x Digital input optional

Output / communication

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

Alarmrelay, 2x relay, ProfibusDP, Modbus RS485,

Modbus TCP, Ethernet

Additional certifications

EAC, cCSAus

ORP / Redox

Meetprincipe

Sensor ORP / Redox

ORP / Redox**Application**

Modular 4 wire controller

Multichannel: 1/2 digital channels for Memosens protocol

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

Two 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

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

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

Material

DIN rail housing: PC-FR

Display seal: EPDM

Dimension

99 x 100 x 97 mm

3.9 x 3.94 x 3.82 inch

Process temperature

0 to 60 °C (32 to 140 °F)

Ingres protection

Transmitter: IP20

Optional Display: IP66

Input

1 to 2x Memosens digital input

2x 0/4 to 20mA Input optional

2x Digital input optional

ORP / Redox**Output / communication**

2 to 8x 0/4 to 20 mA current outputs
Alarmrelay, 2x relay, ProfibusDP, Modbus RS485,
Modbus TCP, Ethernet

Additional certifications

EAC, cCSAus

Sludge Level**Meetprincipe**

Ultrasonic sensor

Application

Modular 4 wire controller
Multichannel: 1/2 digital channels for Memosens protocol
Multiparameter: pH, redox, ISFET, conductivity inductive and conductive,
dissolved oxygen, nitrate and turbidity
Two 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

2x Memosens input, 2 to 4x current output, alarmrelay
2x relay, SD card for software update and copy & paste of setup

Material

DIN rail housing: PC-FR
Display seal: EPDM

Dimension

99 x 100 x 97 mm
3.9 x 3.94 x 3.82 inch

Sludge Level

Process temperature

0 to 60 °C (32 to 140 °F)

Ingres protection

Transmitter: IP20

Optional Display: IP66

Input

1 to 2x Memosens digital input

2x 0/4 to 20mA Input optional

2x Digital input optional

Output / communication

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

Alarmrelay, 2x relay, ProfibusDP, Modbus RS485,

Modbus TCP, Ethernet

Additional certifications

EAC, cCSAus

Disinfection

Meetprincipe

Total chlorine

Application

Modular 4 wire controller

Multichannel: 1/2 digital channels for Memosens protocol

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

Two 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

Disinfection

Design

2x Memosens input, 2 to 4x current output, alarmrelay
2x relay, SD card for software update and copy & paste of setup

Material

DIN rail housing: PC-FR
Display seal: EPDM

Dimension

99 x 100 x 97 mm
3.9 x 3.94 x 3.82 inch

Process temperature

0 to 60 °C (32 to 140 °F)

Input

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

Output / communication

2 to 8x 0/4 to 20 mA current outputs
Alarmrelay, 2x relay, ProfibusDP, Modbus RS485,
Modbus TCP, Ethernet

Additional certifications

EAC, cCSAus

Conductivity

Meetprincipe

Potentiometric

Conductivity

Application

Modular 4 wire controller

Multichannel: 1/2 digital channels for Memosens protocol

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

Two 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

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

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

Material

DIN rail housing: PC-FR

Display seal: EPDM

Dimension

99 x 100 x 97 mm

3.9 x 3.94 x 3.82 inch

Process temperature

0 to 60 °C (32 to 140 °F)

Ingres protection

Transmitter: IP20

Optional Display: IP66

Input

1 to 2x Memosens digital input

2x 0/4 to 20mA Input optional

2x Digital input optional

Conductivity

Output / communication

2 to 8x 0/4 to 20 mA current outputs
Alarmrelay, 2x relay, ProfibusDP, Modbus RS485,
Modbus TCP, Ethernet

Additional certifications

EAC, cCSAus

Turbidity

Meetprincipe

Single beam scattered light

Application

Modular 4 wire controller
Multichannel: 1/2 digital channels for Memosens protocol
Multiparameter: pH, redox, ISFET, conductivity inductive and conductive,
dissolved oxygen, nitrate and turbidity
Two 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

2x Memosens input, 2 to 4x current output, alarmrelay
2x relay, SD card for software update and copy & paste of setup

Material

DIN rail housing: PC-FR
Display seal: EPDM

Dimension

99 x 100 x 97 mm
3.9 x 3.94 x 3.82 inch

Turbidity

Process temperature

0 to 60 °C (32 to 140 °F)

Ingres protection

Transmitter: IP20

Optional Display: IP66

Input

1 to 2x Memosens digital input

2x 0/4 to 20mA Input optional

2x Digital input optional

Output / communication

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

Alarmrelay, 2x relay, ProfibusDP, Modbus RS485,

Modbus TCP, Ethernet

Additional certifications

EAC, cCSAus

Oxygen

Meetprincipe

Amperometric oxygen measurement

Application

Modular 4 wire controller

Multichannel: 1/2 digital channels for Memosens protocol

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

Two 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

Oxygen

Design

2x Memosens input, 2 to 4x current output, alarmrelay
2x relay, SD card for software update and copy & paste of setup

Material

DIN rail housing: PC-FR
Display seal: EPDM

Dimension

99 x 100 x 97 mm
3.9 x 3.94 x 3.82 inch

Process temperature

0 to 60 °C (32 to 140 °F)

Input

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

Output / communication

2 to 8x 0/4 to 20 mA current outputs
Alarmrelay, 2x relay, ProfibusDP, Modbus RS485,
Modbus TCP, Ethernet

Additional certifications

EAC, cCSAus

Meer informatie www.be.endress.com/CM442R