

1/2 채널 트랜스미터 Liquiline CM442R

모든 산업을 위한 컴팩트한 멀티파라미터 DIN 레일 및 캐비닛 계기



추가 정보 및 현재 가격:

www.kr.endress.com/CM442R

장점:

- **공간 절약, 비용 절감:**
매우 좁은 공간에도 설치 가능, 캐비닛 공간 절약 - 스킴드에 최적화.
- **신속한 설치:**
캐비닛 도어에 컷아웃 없음, 원클릭 DIN 레일 설치, 배선 최소화.
- **간단하고 안전한 시운전:**
SD 카드에 구성을 저장해 중복 설치에서 신속한 설정이 가능합니다.
- **간편한 작동 및 유지보수:**
직관적인 사용자 인터페이스, 사전 교정된 Memosens 센서를 통한 핫 플러그 앤 플레이 지원, 모든 파라미터에 맞는 범용 구성 요소.
- **원격 프로세스 제어:**
통합 웹 서버를 통해 작업자가 웹 브라우저나 스마트폰에서 원격으로 진단 데이터를 확인하거나, 구성을 수행하거나, 계기 파라미터에 액세스할 수 있습니다.
- **가용성 향상, 비용 감소:**
하트비트 기술(Heartbeat Technology)을 통해 상태 지향 유지보수를 수행하고, 손쉽게 전체 측정 개소를 검증하고, 최적화 조치를 취할 수 있습니다.

사양 정보

- **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

적용 분야: Liquiline CM442R은 설치 공간이 제한적인 경우를 포함한 모든 어플리케이션의 프로세스 모니터링과 제어를 위한 편리한 디지털 멀티파라

미터 트랜스미터입니다. 간단하고 빠른 시스템 통합과 설치 및 취급으로 시간과 비용을 절약할 수 있고, 1/2채널 컨트롤러는 초소형이어서 모든 캐비닛에 잘 맞습니다. Liquiline CM442R은 단순성에서 프로세스 안전성에 이르기까지 최고의 트랜스미터 플랫폼이 제공하는 모든 장점을 갖추고 있습니다.

특징 및 사양

pH

측정 원리

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

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)

pH

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

측정 원리

Sensor 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

ORP / Redox

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

Sludge Level

측정 원리

Ultrasonic sensor

Sludge Level

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

Sludge Level

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

측정 원리

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

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

Disinfection

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

측정 원리

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

Conductivity

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

Turbidity

측정 원리

Single beam scattered light

Turbidity

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

Turbidity

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

측정 원리

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

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

Oxygen

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

추가 정보 www.kr.endress.com/CM442R