

8-kanaals transmitter Liquiline CM448

Flexibel multiparameter-procesinstrument voor alle industrieën



Meer informatie en actuele prijzen:

www.be.endress.com/CM448

Voordelen:

- **Slimme eenvoud:**
één controller voor alle parameters en toepassingen, intuïtieve gebruikersinterface, automatische sensorherkenning, hot plug & play met vooraf gekalibreerde Memosens-sensoren.
- **Compleet pakket:**
8 kanalen in één instrument zorgen voor een hoge flexibiliteit en maken het instrument geschikt voor elke meettaak.
- **Naadloze systeemintegratie:**
de unieke set communicatiestandaarden is geschikt voor elk distributed control system (DCS).
- **Eenvoudige en veilige inbedrijfstelling:**
door de configuratie op een SD-kaart op te slaan kunnen de instellingen snel naar een tweede installatie worden gekopieerd.
- **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 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

Toepassingsgebied: Met de transmitter Liquiline CM448 kunt u maximaal 8 Memosens-sensoren naar keuze aansluiten en meer dan 12 parameters meten. Hij biedt automatische sensorherkenning en een eenvoudige bediening en deelt gestandaardiseerde reserveonderdelen met alle andere instrumenten van het Liquiline-platform. Met zijn ingangen, uitgangen, regelaars en rekenmodules kunt u zelfs reinigingssystemen of doseerpompen bewaken. Heartbeat Technology helpt u de ideale balans te vinden tussen meetpuntbeschikbaarheid en onderhoudskosten.

Kenmerken en specificaties

pH

Meetprincipe

Potentiometric

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

pH

Material

Housing base: PC-FR

Housing seal EPDM

Dimension

237 x 194 x 162 mm

9.33 x 7.64 x 6.38 inch

Process temperature

-20 to 55 °C (0 to 130 °F)

Ingres protection

IP66 / IP67

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

Additional certifications

EAC, cCSAus

ORP / Redox

Meetprincipe

Sensor ORP / Redox

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Conductivity

Meetprincipe

Conductive

Conductivity

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Conductivity**Additional certifications**EAC, cCSAus

Oxygen**Meetprincipe**Amperometric oxygen measurement

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Disinfection

Meetprincipe

Free chlorine

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Disinfection

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Turbidity

Meetprincipe

Single beam scattered light

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Analyser

Meetprincipe

Potentiometric / ISE

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Analyser

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