

1-/2-kanaals transmitter Liquiline CM442

Uitbreidbaar multiparameter- procesinstrument voor alle industrieën



Meer informatie en actuele prijzen:

www.be.endress.com/CM442

Voordelen:

- **Slimme eenvoud:**
één controller voor alle parameters en toepassingen, intuïtieve gebruikersinterface, automatische sensorherkenning, hot plug & play met vooraf gekalibreerde Memosens-sensoren.
- **Hoge flexibiliteit:**
universele modules voor alle parameters minimaliseren de voorraad reserveonderdelen en maken een eenvoudige uitbreiding tot maximaal 8 kanalen op elk gewenst moment mogelijk.
- **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 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
- **Ingres protection** IP66 / IP67

Toepassingsgebied: Met de transmitter Liquiline CM442 kunt u maximaal 2 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: 1/2 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

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 60 °C (0 to 140 °F)

Ingres protection

IP66 / IP67

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, MCERTS

ORP / Redox

Meetprincipe

Sensor ORP / Redox

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ORP / Redox**Characteristic**

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Conductivity**Meetprincipe**

Conductive

Conductivity

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Conductivity**Additional certifications**EAC, cCSAus, MCERTS

Oxygen**Meetprincipe**Amperometric oxygen measurement

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Oxygen

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Disinfection

Meetprincipe

Free chlorine

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Disinfection

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Turbidity

Meetprincipe

Four beam alternating light

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Turbidity

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Sludge Level

Meetprincipe

Ultrasonic sensor

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Concentration

Meetprincipe

Fluorescence
measurement

Analyser

Meetprincipe

UV photometric

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