

Transmissor de 8 canais Liquiline CM448

Equipamento de campo multiparâmetro flexível para todos os setores industriais



Mais informações e preço atual:

www.br.endress.com/CM448

Benefícios:

- **Simplicidade inteligente:**
um controlador para todos os parâmetros e aplicações, interface de usuário intuitiva, reconhecimento automático do sensor, conexão dinâmica plug-&-play com sensores Memosens pré-calibrados.
- **Pacote completo:**
8 canais em um equipamento proporcionam a mais alta flexibilidade para qualquer tarefa de medição.
- **Perfeita integração do sistema:**
padrões de portfólio de comunicação exclusivos atendem todo o sistema de controle distribuído (DCS).
- **Comissionamento simples e seguro:**
salvar a configuração no cartão SD permite a configuração rápida em instalações duplas.
- **Controle de processo à distância:**
servidor de rede integrado que permite que o operador visualize remotamente os dados de diagnóstico, realize configurações ou acesse os parâmetros de equipamento em qualquer navegador de rede, mesmo por meio de smartphone.
- **Alta disponibilidade, baixos custos:**
Heartbeat Technology permite a manutenção orientada pelo status, fácil verificação de todo o ponto de medição e ajuda a executar as medidas de otimização.

Especificações resumidas

- **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

Campo de aplicação: Liquiline CM448 é um transmissor digital multiparâmetro para monitoramento e controle de processos em qualquer aplicação. O controlador de 8 canais economiza tempo e dinheiro oferecendo total integração do sistema, operação simples e menos necessidade de estoque de peças de reposição. Adapte o controlador com precisão à sua tarefa de medição e, se desejar, conecte de 1 a 8 sensores. O Liquiline CM448 oferece todos os benefícios da melhor plataforma de transmissor em sua categoria a partir de simplicidade inteligente e máxima segurança de processo.

Características e especificações

Oxygen

Measuring principle

Amperometric oxygen measurement

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

Oxygen

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)

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

pH

Measuring principle

Potentiometric

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Disinfection

Measuring principle

Free chlorine

Disinfection

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Disinfection**Additional certifications**EAC, cCSAus

Analyser**Measuring principle**Potentiometric / ISE

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ORP / Redox**Measuring principle**Sensor ORP / Redox

ORP / Redox**Application**

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ORP / Redox**Output / communication**

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Turbidity**Measuring principle**

Single beam scattered light

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Additional certifications

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Conductivity

Measuring principle

Potentiometric

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