

4-channel transmitter Liquiline CM444

Expandable multiparameter field device for all industries



Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/CM444

Lợi ích:

- **Clever simplicity:**
One controller for all parameters and applications, intuitive user interface, automatic sensor recognition, hot plug & play with pre-calibrated Memosens sensors.
- **Highest flexibility:**
Universal modules for all parameters minimize spare part stock and allow for easy 1-click extension to up to 8 channels at any time.
- **Seamless system integration:**
Unique portfolio of communication standards suits every distributed control system (DCS).
- **Simple and safe commissioning:**
Saving configuration on SD card enables fast set-up on duplicate installations.
- **Process control from a distance:**
Integrated web server that allows the operator to remotely view diagnostic data, perform configurations, or access device parameters in any web browser - even via Smartphone.
- **Higher availability, lower costs:**
Heartbeat Technology enables status-oriented maintenance and easy verification of the entire measuring point and helps to carry out optimization measures.

Tổng quan về thông số kỹ thuật

- **Input** 1 to 4x 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

- **Ingress protection** IP66 / IP 67

Phạm vi ứng dụng: Liquiline CM444 is a digital multiparameter transmitter for process monitoring and controlling in any application. Modules can be added at any time to fit your process. The 4-channel controller saves you time and money by offering seamless system integration, simple operation and a reduced need for spare part stock. Liquiline CM444 provides you with all the benefits of a best-in-class transmitter platform from clever simplicity to maximum process safety.

Tín năng và thông số kỹ thuật

Conductivity

Measuring principle

Potentiometric

Application

Modular 4 wire controller

Multichannel: 1 to 4 digital channels for Memosens protocol

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

4 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

2 to 4x Memosens input, 2 to 8x current output

Alarmrelay, 4x relay, SD card for software update and copy & paste of setup

Conductivity

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 / IP 67

Input

1 to 4x 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

Disinfection

Measuring principle

Free chlorine

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Sludge Level

Measuring principle

Ultrasonic sensor

Sludge Level

Application

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Sludge Level

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pH

Measuring principle

Potentiometric

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pH

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Analyser

Measuring principle

Potentiometric / ISE

Characteristic

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Analyser

Application

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Oxygen

Measuring principle

Amperometric oxygen measurement

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Oxygen

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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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Additional certifications

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Turbidity**Measuring principle**

Single beam scattered light

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