

1-/2-channel transmitter

Liquiline CM442

Expandable multiparameter field device for all industries



Daha fazla bilgi ve güncel fiyatlandırma:

www.tr.endress.com/CM442

Avantajlar:

- **Clever simplicity:**
One controller for all parameters and applications, intuitive user interface, automatic sensor recognition, hot plug & play with pre-calibrated Memosens sensors.
- **High flexibility:**
Universal modules for all parameters minimize spare part stock and allow for easy 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.
- **Drive connectivity:** **Liquiline Edge Module CYY7** transfers process data to Netilion, independently of the fieldbus. This allows remote overview and the use of IIoT services. It's available in new products or as upgrade to installed Liquiline platforms.

Özelliklere genel bakış

- **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** IP66 / IP67

Uygulama alanı: The Liquiline CM442 transmitter allows you to connect up to 2 Memosens sensors of your choice from over 12 measurement parameters. It offers automatic sensor recognition, easy operation, and standardized spare parts with all other devices of the Liquiline platform. With its inputs, outputs, controllers, and math modules, you can even control cleaning systems or dosing pumps. Heartbeat Technology helps you find the ideal balance between measuring point availability and maintenance costs.

Özellikler ve şartlar

pH

Measuring principle

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

pH

Design

2x Memosens input, 2 to 4x current output, Alarmrelay,
2x relay, SD card for software update and copy & paste of setup

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)

Ingress 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

Measuring principle

Sensor ORP / Redox

ORP / Redox**Application**

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ORP / Redox

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Conductivity

Measuring principle

Conductive

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Oxygen

Measuring principle

Amperometric oxygen measurement

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Oxygen

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Ingress protection

IP67

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Disinfection

Measuring principle

Free chlorine

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Disinfection

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Turbidity

Measuring principle

Four beam alternating light

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Turbidity

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Sludge Level

Measuring principle

Ultrasonic sensor

Sludge Level

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Sludge Level**Additional certifications**

EAC, cCSAus, MCERTS

Concentration**Measuring principle**

Fluorescence
measurement

Analyser**Measuring principle**

UV photometric

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All non-ex applications

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Output / communication

2 to 8x 0/4 to 20 mA current outputs
Alarmrelay, 2x relay

Analysler

Input

1 to 2x Memosens digital input

Ayrıntılı bilgi www.tr.endress.com/CM442