

# 1-channel transmitter

## Liquiline M CM42

Two-wire field device for hazardous and non-hazardous area use in chemicals, life sciences and food



Daha fazla bilgi ve güncel fiyatlandırma:

[www.tr.endress.com/CM42](http://www.tr.endress.com/CM42)

### Avantajlar:

- Simple commissioning with quick setup and navigator
- The Memosens technology allows plug & play with pre-calibrated Memosens sensors
- Less storage thanks to modular design
- Predictive maintenance system detects when a sensor has to be cleaned, calibrated or replaced

### Özelliklere genel bakış

- **Input** One or two channel transmitter (with one reference connection)
- **Output / communication** 1/2 x 4 to 20 mA, HART, Profibus PA, FF Additional second output possible, also later
- **Ingress protection** IP66 and IP67

**Uygulama alanı:** Liquiline M CM42 is the robust transmitter for pH/ORP, conductivity or oxygen measurement in all process applications. It is the best choice for demanding environments be it hygienic applications, hazardous areas or functional safety areas. Liquiline's intuitive operating concept simplifies commissioning, handling, and maintenance saving you time every day. Easy switching of parameters and seamless system integration give you the flexibility to adapt it exactly to your measuring task.

### Özellikler ve şartlar

## Oxygen

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### Measuring principle

Amperometric oxygen measurement

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### Application

Chemical processes, pharmaceuticals industry, foodstuff technology, applications in hazardous areas

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### Characteristic

Liquiline M CM42 is a modular two-wire transmitter for all areas of process engineering

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### Measuring principle

Connection of analog or digital Memosens sensors

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### Design

Depending on the ordered version, Liquiline M CM42 has one or two analog current outputs or it can be connected to field busses as per FOUNDATION Fieldbus, PROFIBUS PA and HART protocol  
Liquiline is developed acc. to the international safety standard IEC 61508

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### Material

Plastic or stainless steel housing with EPDM sealings

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### Dimension

Plastic housing:  
144 x 144 x 148 mm  
5.67 x 5.67 x 5.83 inch  
Stainless Steel:  
174 x 174 x 134 mm  
6.85 x 6.85 x 5.28 inch

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### Ex certification

ATEX, FM, CSA, NEPSI, TIIS

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### Ingres protection

IP66 and IP67

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### Input

One or two channel transmitter (with one reference connection)

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## Oxygen

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### Output / communication

1/2 x 4 to 20 mA, HART, Profibus PA, FF  
Additional second output possible, also later

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## Conductivity

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### Measuring principle

Potentiometric

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### Application

Chemical processes, pharmaceuticals industry, foodstuff technology,  
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## Conductivity

**Temperature sensor**

Applicable:  
Pt100, Pt1000

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**Ex certification**

ATEX, FM, CSA, NEPSI, TIIS

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**Ingres protection**

IP66 and IP67

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**Input**

One or two channel transmitter (with one reference connection)

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**Output / communication**

1/2 x 4 to 20 mA, HART, Profibus PA, FF  
Additional second output possible, also later

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## ORP / Redox

**Measuring principle**

Sensor ORP / Redox

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Chemical processes, pharmaceuticals industry, foodstuff technology,  
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**Characteristic**

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**Measuring principle**

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## ORP / Redox

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**Temperature sensor**

Applicable:

Pt100, Pt1000, NTC 30K

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**Ex certification**

ATEX, FM, CSA, NEPSI, TIIS

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**Ingres protection**

IP66, IP67 or NEMA 4X

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**Input**

One or two channel transmitter (with one reference connection)

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**Output / communication**

1/2 x 4 to 20 mA, HART, Profibus, FF

Additional second output possible, also later

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## pH

**Measuring principle**

Potentiometric

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**Application**

Chemical processes, pharmaceuticals industry, foodstuff technology, applications in hazardous areas

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pH

**Characteristic**

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**Measuring principle**

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Pt100, Pt1000, NTC 30K

**Ex certification**

ATEX, FM, CSA, NEPSI, TIIS, EAS

**Ingres protection**

IP66, IP67 or NEMA 4X

**Input**

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pH

**Output / communication**

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Ayrıntılı bilgi [www.tr.endress.com/CM42](http://www.tr.endress.com/CM42)