

# 1-kanaals transmitter Liquiline M CM42

Tweedraads procesinstrument voor gebruik in gevaarlijke en niet-gevaarlijke omgevingen



Meer informatie en actuele prijzen:

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

## Voordelen:

- Eenvoudige inbedrijfstelling met snelle installatie en navigatie
- De Memosens-technologie maakt plug & play mogelijk met vooraf gekalibreerde Memosens-sensoren
- Compact modulair ontwerp
- Voorspellend-onderhoudssysteem detecteert wanneer een sensor moet worden gereinigd, gekalibreerd of vervangen

## Overzicht specificaties

- **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
- **Ingres protection** IP66 and IP67

**Toepassingsgebied:** De Liquiline M CM42 is een robuuste transmitter voor pH-/ORP-, geleidbaarheids- en zuurstofmetingen. Dit instrument is perfect voor veeleisende omgevingen, zoals hygiënische of gevaarlijke omgevingen of omgevingen waar hoge eisen worden gesteld aan de functionele veiligheid. Dankzij het intuïtieve bedieningsconcept van de Liquiline is de inbedrijfstelling, de bediening en het onderhoud zeer eenvoudig. Doordat u eenvoudig van de ene naar de andere parameter kunt overschakelen en het instrument naadloos in het systeem kunt integreren, kunt u het instrument volledig aan uw meettaak aanpassen.

## Kenmerken en specificaties

## Oxygen

**Meetprincipe**

Amperometric oxygen measurement

---

**Application**

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

---

**Characteristic**

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

---

**Measuring principle**

Connection of analog or digital Memosens sensors

---

**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

---

**Material**

Plastic or stainless steel housing with EPDM sealings

---

**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

---

**Ex certification**

ATEX, FM, CSA, NEPSI, TIIS

---

**Ingres protection**

IP66 and IP67

---

**Input**

One or two channel transmitter (with one reference connection)

---

## Oxygen

---

### Output / communication

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

---

## ORP / Redox

---

### Measuring principle

Sensor ORP / Redox

---

### Application

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

---

### Characteristic

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

---

### Measuring principle

Connection of analog or digital Memosens sensors

---

### 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

---

### Material

Plastic or stainless steel housing with EPDM sealings

---

### 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

---

## ORP / Redox

**Temperature sensor**

Applicable:

Pt100, Pt1000, NTC 30K

**Ex certification**

ATEX, FM, CSA, NEPSI, TIIS

**Ingres protection**

IP66, IP67 or NEMA 4X

**Input**

One or two channel transmitter (with one reference connection)

**Output / communication**

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

Additional second output possible, also later

## Conductivity

**Meetprincipe**

Potentiometric

**Application**

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

**Characteristic**

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

**Measuring principle**

Connection of analog or digital Memosens sensors

**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

---

**Conductivity****Material**

Plastic or stainless steel housing with EPDM sealings

---

**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

---

**Temperature sensor**

Applicable:

Pt100, Pt1000

---

**Ex certification**

ATEX, FM, CSA, NEPSI, TIIS

---

**Ingres protection**

IP66 and IP67

---

**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

---

**pH****Meetprincipe**

Potentiometric

---

**Application**

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

---

pH

**Characteristic**

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

---

**Measuring principle**

Connection of analog or digital Memosens sensors

---

**Design**

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

---

**Material**

Plastic or stainless steel housing with EPDM sealings

---

**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

---

**Temperature sensor**

Applicable:  
Pt100, Pt1000, NTC 30K

---

**Ex certification**

ATEX, FM, CSA, NEPSI, TIIS, EAS

---

**Ingres protection**

IP66, IP67 or NEMA 4X

---

**Input**

One or two channel transmitter (with one reference connection)

---

pH

**Output / communication**

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

---

Meer informatie [www.be.endress.com/CM42](http://www.be.endress.com/CM42)