

1-kanaals transmitter Liquiline M CM42

Tweedraads procesinstrument voor gebruik in gevaarlijke en niet-gevaarlijke omgevingen



Meer informatie en actuele prijzen:

www.nl.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 channel transmitter for Memosens and analog (pH, ORP, conductivity)
- **Output / communication** 1/2 x 4 to 20 mA, HART, Profibus, FF
Additional second output possible, also later
- **Ingress protection** IP66/67, NEMA 4X

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

pH

Meetprincipe

ISFET

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

Potentiometric pH measurement

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

Temperature sensor

Applicable:
Pt100, Pt1000, NTC 30K

Ex certification

: ATEX, IECEx, FM, CSA, NEPSI, EAC, UKEx, JPN Ex

pH

Ingress protection

IP66/67, NEMA 4X

Input

One channel transmitter for Memosens and analog (pH, ORP, conductivity)

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

ORP measurement

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

ORP / Redox

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, IECEx, FM, CSA, NEPSI, EAC, UKEx, JPN Ex

Ingress protection

IP66/67, NEMA 4X

Input

One channel transmitter for Memosens and analog (pH, ORP, conductivity)

Output / communication

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

Conductivity

Meetprincipe

Conductive

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

Conductivity

Measuring principle

Resistance measurement

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

Temperature sensor

Applicable:

Pt100, Pt1000

Ex certification

ATEX, IECEx, FM, CSA, NEPSI, EAC, UKEx, JPN Ex

Ingress protection

IP66/67, NEMA 4X

Input

One channel transmitter for Memosens and analog (pH, ORP, conductivity)

Output / communication

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

Additional second output possible, also later

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 oxygen sensors with Memosens coupling

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, IECEx, FM, CSA, NEPSI, EAC, UKEx, JPN Ex

Ingress protection

IP66/67, NEMA4X

Oxygen

Input

One channel transmitter for Memosens and analog (pH, ORP, conductivity)

Output / communication

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

Meer informatie www.nl.endress.com/CM42