

# 1-channel transmitter

## Liquiline Compact CM72

Single-parameter field device for hazardous and non-hazardous applications in all industries



More information and current pricing:

[www.at.endress.com/CM72](http://www.at.endress.com/CM72)

### Benefits:

- **Space-saving installation:**  
The two-wire device fits inside an assembly and does not require its own power supply.
- **Fast start-up:**  
Thanks to its fixed configuration, the CM72 does not have to be commissioned and can quickly start its work.
- **Benefit from all the advantages of Memosens technology:**  
Memosens sensors offer you the safest data transmission, the highest measured value availability and total ease of use.
- **On-site diagnostics:**  
The status of the transmitter and the connected sensor are indicated with a red/green LED.
- **Suitable for all locations:**  
Whether your measuring point is exposed to dust, vapor, rain, snow, heat or cold, the CM72 will always be exactly the right transmitter for you.

### Specs at a glance

- **Input** One channel transmitter
- **Output / communication** 4 to 20 mA
- **Ingres protection** IP67, IP68, NEMA Type 6

**Field of application:** The Liquiline Compact CM72 is a small transmitter for Memosens sensors. It is the right choice for you if installation space is limited and you don't need the flexibility of a multiparameter device. Together with the sensor, it fits into most assemblies and couldn't be easier to install. The measuring parameter and measuring range are

already defined during the ordering process, making the CM72 immediately ready for use with a high degree of safety against operating errors.

## Features and specifications

pH

### Measuring principle

Potentiometric

### Application

All sectors, supporting all sensors with the blue Memosens plug-in head, environmental sector

### Installation

Connection of digital sensors with Memosens-Protocol

### Characteristic

Liquiline CM72 is a fixed configured two-wire transmitter for all areas of process engineering

### Measurement range

pH Sensor: 0 to 14 pH

### Design

Peek housing

### Material

Housing, cover: Peek 151

Strain relief: EPDM

Axial ring: Peek 450 G

### Dimension

Diameter: 18.95 mm (0.75 inch)

Length: 114.7 mm (4.52 inch)

### Connection

Connection of digital sensors with Memosens-Protocol

## pH

**Ingres protection**

IP67, IP68, NEMA Type 6

**Input**

One channel transmitter

**Output / communication**

4 to 20 mA

**Additional certifications**

CE, CSA C/US GP

## Conductivity

**Measuring principle**

Potentiometric

**Application**

All sectors, supporting all sensors with the blue Memosens plug-in head, enviromental sector

**Installation**

Connection of digital sensors with Memosens-Protocol

**Characteristic**

Liquiline CM72 is a fixed configured two-wire transmitter for all areas of process engineering

**Measurement range**

Conductivity sensors: 0 to 500 mS/cm

**Design**

Peek housing

**Material**

Housing, cover: Peek 151

Strain relief: EPDM

Axial ring: Peek 450 G

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## Conductivity

**Dimension**

Diameter: 18.95 mm (0.75 inch)

Length: 114.7 mm (4.52 inch)

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**Connection**

Connection of digital sensors with Memosens-Protocol

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**Ingres protection**

IP67, IP68, NEMA Type 6

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**Input**

One channel transmitter

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**Output / communication**

4 to 20 mA

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## ORP / Redox

**Measuring principle**

Potentiometric

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**Application**

All sectors, supporting all sensors with the blue Memosens plug-in head, enviromental sector

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**Installation**

Connection of digital sensors with Memosens-Protocol

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**Characteristic**

Liquiline CM72 is a fixed configured two-wire transmitter for all areas of process engineering

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**Measurement range**

ORP sensors: -1500 mV to 1500 mV

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**Design**

Peek housing

## ORP / Redox

**Material**

Housing, cover: Peek 151

Strain relief: EPDM

Axial ring: Peek 450 G

**Dimension**

Diameter: 18.95 mm (0.75 inch)

Length: 114.7 mm (4.52 inch)

**Connection**

Connection of digital sensors with Memosens-Protocol

**Ingres protection**

IP67, IP68, NEMA Type 6

**Input**

One channel transmitter

**Output / communication**

4 to 20 mA

## Oxygen

**Measuring principle**

Potentiometric

**Application**

All sectors, supporting all sensors with the blue Memosens plug-in head, environmental sector

**Installation**

Connection of digital sensors with Memosens-Protocol

**Characteristic**

Liquiline CM72 is a fixed configured two-wire transmitter for all areas of process engineering

**Measurement range**

Oxygen sensors: 0 to 20 mg/l

## Oxygen

### Design

Peek housing

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### Material

Housing, cover: Peek 151

Strain relief: EPDM

Axial ring: Peek 450 G

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### Dimension

Diameter: 18.95 mm (0.75 inch)

Length: 114.7 mm (4.52 inch)

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### Connection

Connection of digital sensors with Memosens-Protocol

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### Input

One channel transmitter

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### Output / communication

4 to 20 mA

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More information [www.at.endress.com/CM72](http://www.at.endress.com/CM72)