

# 1-channel transmitter

## Liquiline Compact CM82

Multiparameter field device for hazardous and non-hazardous applications in all industries



More information and current pricing:

[www.ch.endress.com/CM82](http://www.ch.endress.com/CM82)

### Benefits:

- **Easy operation:**  
Use your existing tablets and smartphones for operation and commissioning.
- **Fast and reliable:**  
A secure Bluetooth connection allows you to check measuring points that are dangerous or difficult to access from a safe distance.
- **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.
- **Space-saving installation:**  
The two-wire device fits inside an assembly and does not require its own power supply.
- **Suitable for all locations:**  
Whether your measuring point is exposed to dust, vapor, rain, snow, heat or cold, the CM82 will always be exactly the right transmitter for you.

### Specs at a glance

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

**Field of application:** The Liquiline Compact CM82 is the smallest transmitter for Memosens sensors. Its slender housing measures only 11 cm long and 2 cm wide, including a connection to which you can attach your sensor directly, without a cable. Together with the sensor, it fits into most assemblies and couldn't be easier to install. Via a uniquely secure Bluetooth connection, you can see all nearby CM82 measuring points on

your tablets or smartphones and operate them conveniently from a distance.

## 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 CM82 is a two-wire transmitter for all areas of process engineering

### Design

Liquiline CM82 is optionally equipped with Bluetooth for comfortable remote commissioning via Smartphone/Tablets

### 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

pH

**Input**

One channel transmitter

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**Output / communication**

4 to 20 mA, HART

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**Additional certifications**

CE, CSA C/US GP

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ORP / Redox

**Measuring principle**

Potentiometric

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**Application**

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**ORP / Redox****Connection**

Connection of digital sensors with Memosens-Protocol

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**Ingres protection**

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**Input**

One channel transmitter

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**Output / communication**

4 to 20 mA, HART

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**Conductivity****Measuring principle**

Potentiometric

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**Application**

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

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**Installation**

Connection of digital sensors with Memosens-Protocol

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**Characteristic**

Liquiline CM82 is a two-wire transmitter for all areas of process engineering

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**Design**

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**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, HART

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## Oxygen

**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 CM82 is a two-wire transmitter for all areas of process engineering

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**Design**

Liquiline CM82 is optionally equipped with Bluetooth for comfortable remote commissioning via Smartphone/Tablets

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## Oxygen

### 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, HART

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