



## Small size, big value

# The Liquiline Compact CM82 – the smallest transmitter for Memosens sensors

### Liquiline Compact CM82 is suitable for pH, ORP, conductivity, and oxygen

#### 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:

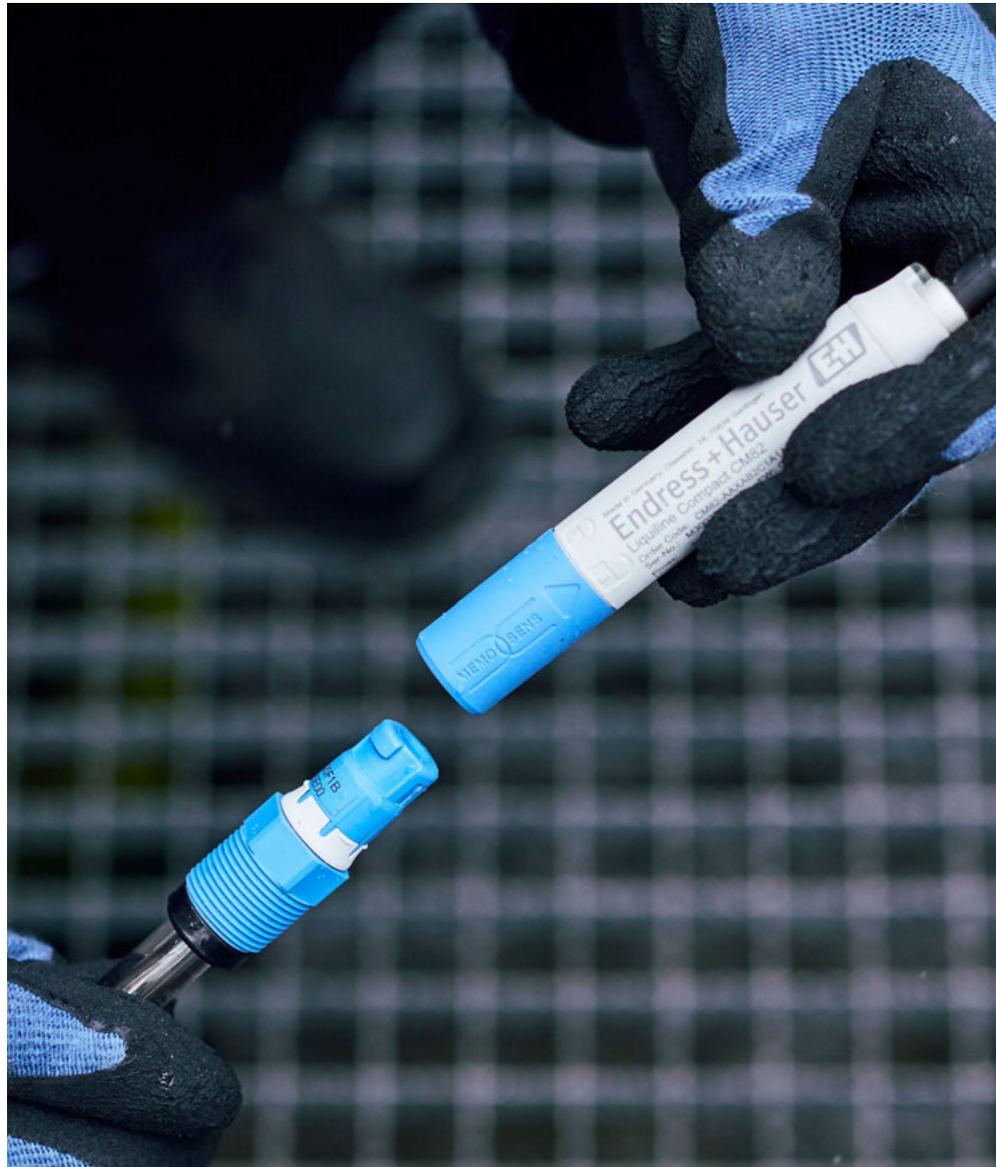
Memosens sensors offer you the safest data transmission, the highest measured value availability and total ease of use.

#### 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.



Do you have measuring points where installation space is restricted? Do you require a high degree of measured value availability for your production process? If so, then we have the perfect transmitter for you: the Liquiline Compact CM82.

Its **slender housing** measures only 11 cm long and 2 cm wide and is packed full of the latest transmitter technology and 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.

As a **loop-powered two-wire device**, the CM82 can be connected directly to a programmable logic controller (PLC), which also serves as the power supply, thus eliminating the need for a power cable.

The transmitter can be operated via Bluetooth. Using the "SmartBlue" app, you can see at a glance all of the measuring points within the Bluetooth range of your tablet and smartphone. Configuration and diagnosis can also be performed conveniently using the app. Incidentally, the **Bluetooth connection** is particularly secure against unauthorized access by third parties, as confirmed by the German Fraunhofer Institute for Applied and Integrated Security (AISEC).

Alternatively, you can operate the CM82 via HART and the appropriate device drivers (DD) and device type managers (DTM).

### **i** Where can I use the Liquiline Compact CM82?

The transmitter is ideal if you ...

- ... have limited space available for installation.
- ... would like a loop-powered two-wire device.
- ... are already using 4 to 20 mA / HART.
- ... do not require a display at the measuring point.
- ... would like to be able to operate the measuring point easily via tablets and smartphones.

The Liquiline Compact CM82 is compatible with all of the transmitters, analyzers and samplers from the Liquiline platform. This means that you can use sensors of the same type at all measuring points: all pH, ORP, conductivity and oxygen sensors with the blue Memosens plug-in head can be connected. So you can make use of the numerous benefits that Memosens technology has to offer, including **100% reliable data transmission** and true plug and play with precalibrated sensors.

The transmitter comes with Class IP67 and IP68 equipment protection and can therefore be used indoors and outdoors in all conditions, such as humidity, heat or cold.



- 1 Sensor connection:** Connect your sensor directly with a turn of the hand. No additional cable is required.
- 2 Signal transmission:** This is where the measuring signal from the sensor is received. Thanks to contactless data transmission, the measured value is not affected by humidity, dust, etc.
- 3 Housing:** This is where the transmitter's electronic module is located.
- 4 LED:** The red/green LED indicates the status of the transmitter and the connected sensor.

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