1-channel transmitter
Liquiline Compact CM82

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

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
- **Ingress 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

More information and current pricing: [www.endress.com/CM82](http://www.endress.com/CM82)
your tablets or smartphones and operate them conveniently from a distance.

## Features and specifications

### pH

<table>
<thead>
<tr>
<th>Measuring principle</th>
<th>Potentiometric</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application</strong></td>
<td></td>
</tr>
<tr>
<td>All sectors, supporting all sensors with the blue Memosens plug-in head, enviromental sector</td>
<td></td>
</tr>
<tr>
<td><strong>Installation</strong></td>
<td></td>
</tr>
<tr>
<td>Connection of digital sensors with Memosens-Protocol</td>
<td></td>
</tr>
<tr>
<td><strong>Characteristic</strong></td>
<td></td>
</tr>
<tr>
<td>Liquiline CM82 is a two-wire transmitter for all areas of process engineering</td>
<td></td>
</tr>
<tr>
<td><strong>Design</strong></td>
<td></td>
</tr>
<tr>
<td>Liquiline CM82 is optionally equipped with Bluetooth for comfortable remote commissioning via Smartphone/Tablets</td>
<td></td>
</tr>
<tr>
<td><strong>Material</strong></td>
<td></td>
</tr>
<tr>
<td>Housing, cover: Peek 151</td>
<td></td>
</tr>
<tr>
<td>Strain relief: EPDM</td>
<td></td>
</tr>
<tr>
<td>Axial ring Peek 450 G</td>
<td></td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td></td>
</tr>
<tr>
<td>Diameter: 18.95 mm (0.75 inch)</td>
<td></td>
</tr>
<tr>
<td>Length: 114.7 mm (4.52 inch)</td>
<td></td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td></td>
</tr>
<tr>
<td>Connection of digital sensors with Memosens-Protocol</td>
<td></td>
</tr>
<tr>
<td><strong>Ingress protection</strong></td>
<td></td>
</tr>
<tr>
<td>IP67, IP68, NEMA Type 6</td>
<td></td>
</tr>
</tbody>
</table>
**pH**

**Input**
One channel transmitter

**Output / communication**
4 to 20 mA, HART

**Additional certifications**
CE, CSA C/US GP

---

**ORP / Redox**

**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 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)
ORP / Redox

**Connection**
Connection of digital sensors with Memosens-Protocol

**Ingress protection**
IP67, IP68, NEMA Type 6

**Input**
One channel transmitter

**Output / communication**
4 to 20 mA, HART

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 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
Conductivity

**Dimension**
Diameter: 18.95 mm (0.75 inch)
Length: 114.7 mm (4.52 inch)

**Connection**
Connection of digital sensors with Memosens-Protocol

**Ingress protection**
IP67, IP68, NEMA Type 6

**Input**
One channel transmitter

**Output / communication**
4 to 20 mA, HART

Oxygen

**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 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
Oxygen

**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

**Input**
One channel transmitter

**Output / communication**
4 to 20 mA, HART

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