

## ARD 170 Submersible Fitting

**Submersible fitting with sinker for field measurement with Memosens sensors.**

The ARD 170 submersible fitting allows a Memosens sensor to be safely inserted into liquid media. It can be used in tanks, boilers, or basins, as well as open channels with flow. The fitting is suitable for Memosens sensors with a body diameter of 12 mm and a length of 120 mm. In conjunction with a portable meter with Memosens technology (such as the Portavo), the fitting is ideal for field measurement.

Thanks to the use of conductive fitting material, ARD 170 can also be used in hazardous locations.

### Applications

Water, wastewater, industrial water, chemicals

### Facts and Features

- Submersible fitting with sinker
- Ideal for field measurements with Memosens sensors and Portavo
- Integrated probe guard
- Easy to use
- For Memosens sensors with Ø 12 mm, length 120 mm
- Materials: PP-H or PP electrically conductive
- Cable length: 3 m, 5 m or 10 m
- Cable design also with ATEX certificate
- Connection:
  - to Portavo via M12 connector or
  - to transmitter with ferrules

### Specifications

|                                  |  |
|----------------------------------|--|
| Wetted materials                 | Ferrule / fitting tube / probe guard: PP-H or PP electrically conductive |
|                                  | Gaskets: EPDM  |
|                                  | Cable sheath: TPE  |
|                                  | Bonding: PUR   |
| Non-wetted materials             | Sinker: stainless steel, 1.4571  |
| Permissible process temperature  | 0 ... 70 °C  |
| Transport/Storage temperature    | -10 ... 70 °C  |
| Ambient temperature              | - 5 ... 55 °C  |
| Permissible process pressure     | Hydrostatic pressure, max. 1 bar   |
| Protection according to EN 60529 | IP68 (immersion depth: 10 m permanently) and IP66                        |
| Permissible sensor type          | Diameter: 12 mm<br>Length: 120 mm<br>Memosens                            |

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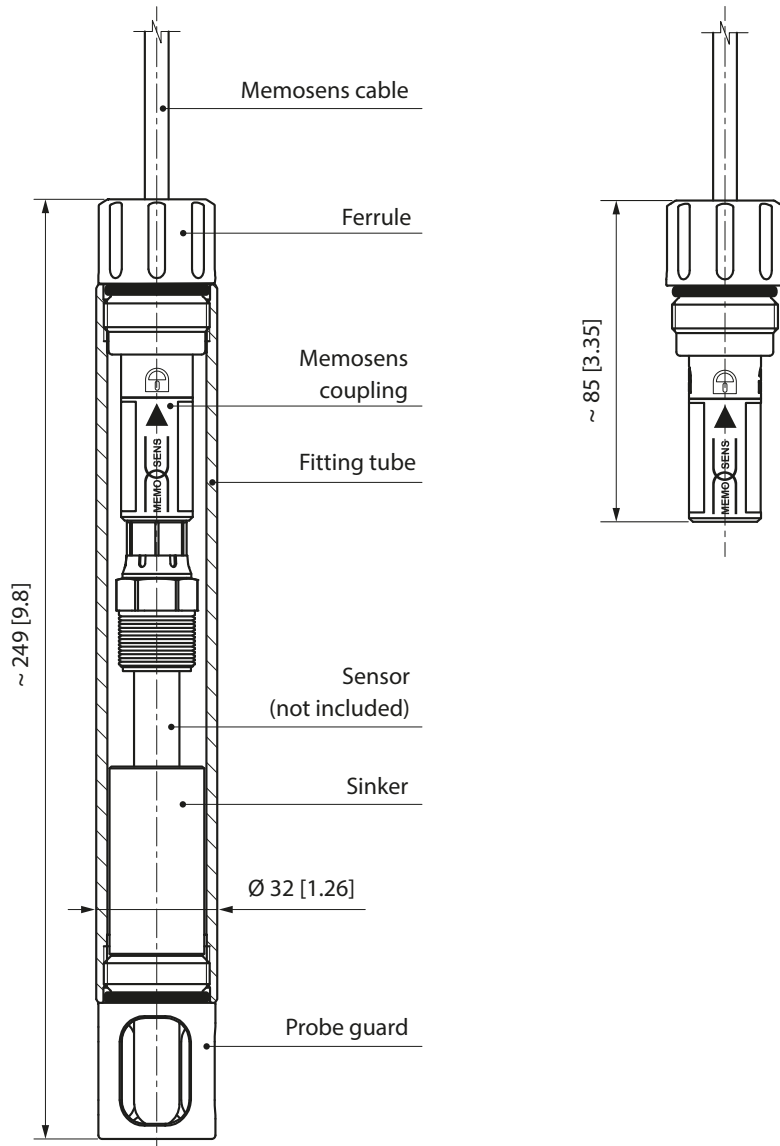
## Product Range

| <b>Submersible fitting</b>               |   | ARD 170 –  |   |        |        |        |        |        |   |   |   |
|--|---|------------|---|--------|--------|--------|--------|--------|---|---|---|
| Length of connecting cable               | 3 m   | 0          | 3 |        |        |        |        |        |   |   |   |
|  | 5 m   | 0          | 5 |        |        |        |        |        |   |   |   |
|  | 10 m  | 1          | 0 |        |        |        |        |        |   |   |   |
| Explosion protection of connecting cable | Without<br>ATEX II 1G Ex ia IIC T3/T4/T6 Ga |            |   | N<br>X |        | P<br>P | P<br>P | H<br>L |   |   |   |
| Device connection                        | Ferrules<br>M12 (8-pin) connector           |            |   |        | A<br>C |        |        |        |   |   |   |
| Material of fitting                      | PP-H<br>PP, conductive                      |            |   |        |        | P<br>P | P<br>P | H<br>L |   |   |   |
| Special options                          | Without                                     |            |   |        |        |        |        |        | 0 | 0 | 0 |
| <b>Connecting cable</b>                  |   | CA-ARD170– |   |        |        |        |        |        |   |   |   |
| Length of connecting cable               | 3 m   | 0          | 3 |        |        |        |        |        |   |   |   |
|  | 5 m   | 0          | 5 |        |        |        |        |        |   |   |   |
|  | 10 m  | 1          | 0 |        |        |        |        |        |   |   |   |
| Explosion protection of connecting cable | Without<br>ATEX II 1G Ex ia IIC T3/T4/T6 Ga |            |   | N<br>X |        |        |        |        |   |   |   |
| Device connection                        | Ferrules<br>M12 (8-pin) connector           |            |   |        | A<br>C |        |        |        |   |   |   |
| Special options                          | Without                                     |            |   |        |        | *      | *      | *      | 0 | 0 | 0 |

## ARD 170 Modular Submersible Fitting



Dimension Drawings



All dimensions in mm [inches]

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## Pressure/Temperature Diagram

