

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 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 Length: 120 mm Memosens

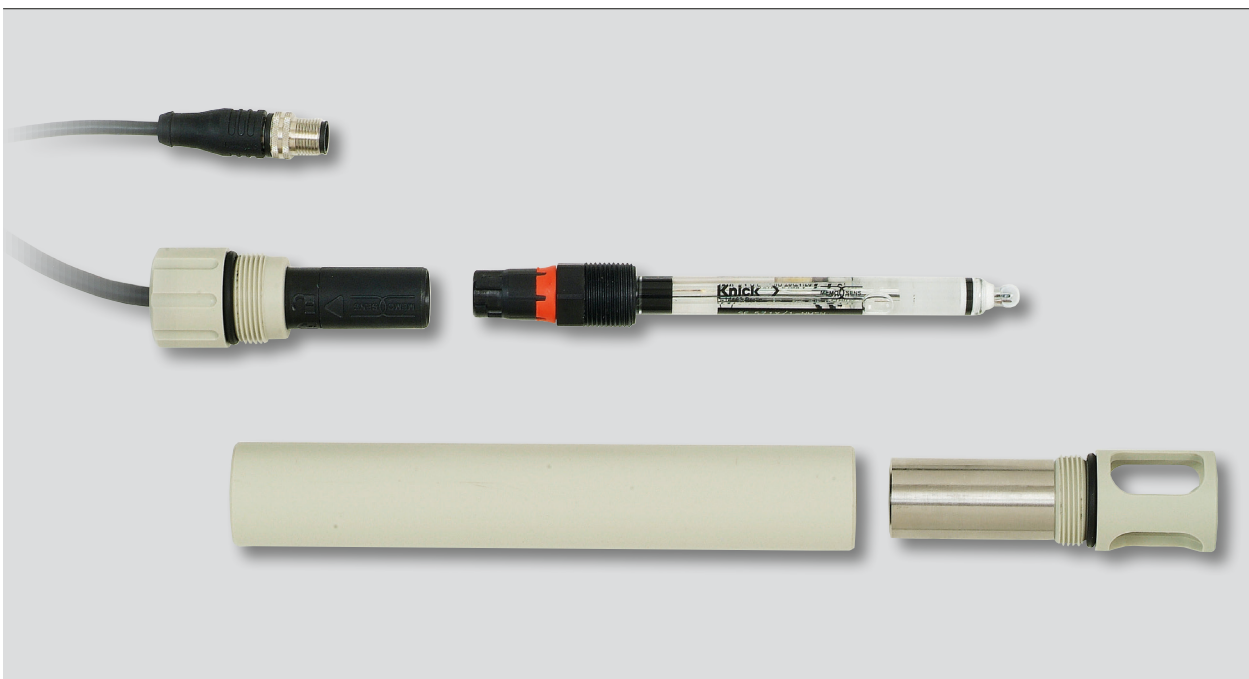
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Product Range

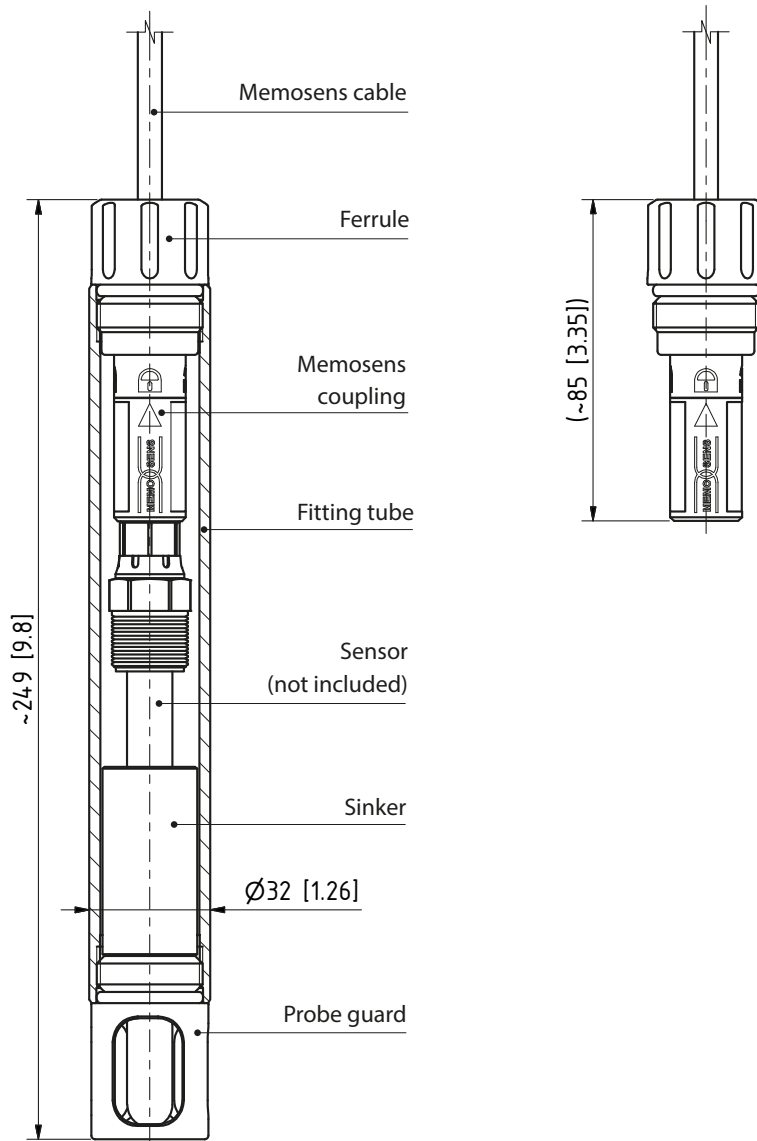
Submersible fitting		ARD 170-									
Length of connecting cable	3 m	0	3								
	10 m	1	0								
Explosion protection of connecting cable	Without										
	ATEX II 1G Ex ia IIC T3/T4/T6 Ga					N		P	P	H	
						X		P	P	L	
Device connection	Ferrules						A				
	M12 (8-pin) connector						C				
Material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

Connecting cable		CA-ARD170-									
Length of connecting cable	3 m	0	3					*	*	*	
	10 m	1	0								
Explosion protection of connecting cable	Without										
	ATEX II 1G Ex ia IIC T3/T4/T6 Ga					N					
						X					
Device connection	Ferrules						A				
	M12 (8-pin) connector						C				
Special options	Without							*	*	*	0
										0	0

ARD 170 Modular Submersible Fitting



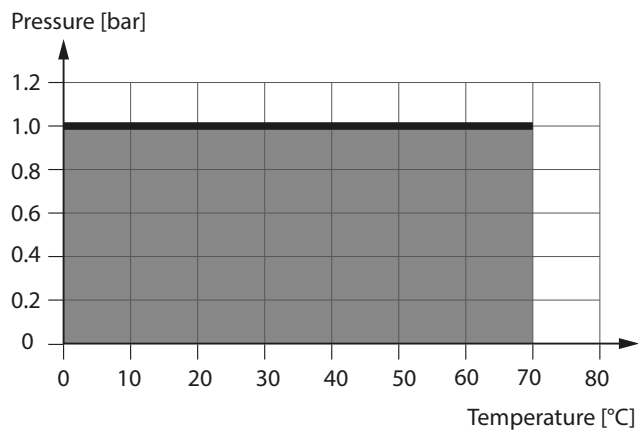
Dimension Drawings



All dimensions in mm [inches]

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Pressure/Temperature Diagram



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