



Level probe

EL4-1

Application and function

The level probe type EL4-1 serves as primary element for the following controllers.

LMC2	self-testing Low water level limiter (SIL 3)
DHR1	2-point water level controller with HWL-alarm
DLR1	2-point water level controller with LWL-alarm
DS1	LWL and HWL signalling

Technical basic equipment

Mechanical connection	G ½" (SW27)	
Electrical connection	Plug connection with screw terminals (traction relief)	
Material	Probe housing	stainless steel
	Probe rod	stainless steel
	Probe extension	stainless steel
	Insulator	Ceramic
	Socket	Polyamide
	Sealing ring	Soft iron

Technical data

Allowable pressure	PS [bar]	50	80	100	160	200
Allowable temperature	TS [°C]	265	296	312	346	367
Cable gland	M16x1,5					
Protection as per DIN VDE 0470	IP65					
Allowable temperature on plug	100°C					

SIL 3 (LMC2)
Production monitored

Edition 01/2020
Subject to change without a note.

Technical data (cont.)

Dimension Y [mm] min. 125		
1700	With protection tube > DN80	Vertical installation position
800	With protection tube DN50	Vertical installation position
800	With protection tube DN50/100	Inclined installation up to 45°

Additional

- If shut-off valves are mounted between the process connections of the add-on-housing and the boiler supports, an electric locking system (end switch) has to be installed.
- A drain valve is to be mounted to the add-on-housing.
- Use in mounting supports if the boiler support corresponds to the representations according to data sheet.
Protective tube K, flange, screws, nuts and seals can also be supplied.
- For electrode support flange see separately data sheet

Digital Documentation

