

## Level probe type 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 signaling

### 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	Polyamid
	Sealing ring	Soft iron

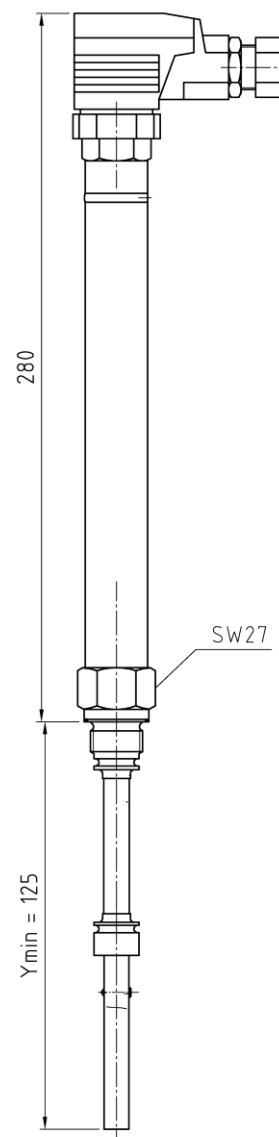
### Technical data

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				

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°

### Addition

- 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 D-08-D-16351-0. Protective tube K, flange, screws, nuts and seals can also be supplied.
- For electrode support flange see Data Sheet D-08-D-22510-0



SIL 3 (LMC2)  
Production monitored

