



4-Rod Level Probe

DP114

Application and function

This 4-rod level probe combines 2 functions.

With a DLL low water level limiter one rod forms a limiter with safety function in accordance with the EC Directive 2014/68/EC (PED). Conformity (CE marking) is certified in accordance with Annex III, Modules B+D (Category IV); notified body NB 0035.

In conjunction with the DCU discontinuous water level controller, the 3-rod level probe forms a 2-point water level control system with LW or HW signalling.

This product is in accordance to EU-directive 2014/68/EU. Applied policy acc. to DIN EN 13445 and ASME Boiler and Pressure Vessel Code. Considered regulations AD2000.

Basic technical equipment

Mechanical connection	G 1/2"	
Power connection	CAN-Bus according to DIN ISO 11898 Plug-in connector	
Material	Electrode housing	stainless steel
	Electrode rod	stainless steel
	Electrode extension	stainless steel
	Insulator	PTFE
	Plug / socket	PA66, zinc diecasting

Electrical data

Responsiveness:	>0,5µS/cm at 25°C
Power supply:	24V
Power consumption:	0,6W
Data exchange:	CAN-Bus in accordance with DIN ISO 11898, CANopen-protocol
Electrical connection:	CAN-Bus in accordance with DIN ISO 11898
Protection class:	IP65 as per DIN EN 60529
Allowable ambient temperature:	0°C bis 85°C
Self-test:	every 3sec



- EC-Type-Examination (DLL)
- SIL 3 (DLL)
- Production monitored

Technical data

Limiters: Component identification mark / EC type-examination	01 202 931-B-12-0012 CE 0035
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Allowable pressure	PS	[bar]	32
Allowable temperature	TS	[°C]	239
Plug / socket	M12; 5-pole; A-coded		
Protection class in accordance with DIN VDE 0470	IP65		
Construction dimensions Y [mm]	$60 \leq Y \leq 1500$		
Installation position	vertical		
Allowable temperature at the plug	85°C		

The rods are to be shortened to the correct length for their function.
Attention to be paid to their allocation:

Rod 1:	limiter electrode
Rod 2:	min level
Rod 3:	max. level
Rod 4:	signalling

Mounting housing

- If shut-off valves are installed between the process connections of the add-on housing and the boiler nozzle, a locking system (limit switch) must be installed.
- A drain valve must be attached 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 data sheet.

Digital Documentation

