

## DP114 4-Rod Level Probe

### 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 other 3 rods form a 2-point water level regulating system with LW or HW signalling.

Here the product meets EC Directive 2014/68/EU.

Regulations applied: corresponding DIN EN standards.

### Standard technical equipment

Mechanical connection	G 1 ½	
Power connection	CAN-Bus according to DIN ISO 11898 Electrical connector	
Materials	Electrode housing	stainless steel
	Electrode rod	stainlees 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	2 x 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 in accordance with DIN EN 60529
Allowable ambient temperature:	0° C to 85° C
Self-test	every 3sec



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



### Technical data

Limiter: 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		
Admissible 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

### The component identification mark is only valid on

- use in mounting housing if shut-off valves are fitted between process connection and boiler supports. A relief valve is likewise required
- On 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

