DP313 3-Rod Level Probe

Application and function

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.
The product meets EC Directive 2014/68/EU (PED).

Regulations applied: corresponding DIN EN standards.

Standard technical equipment

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

Electrical data

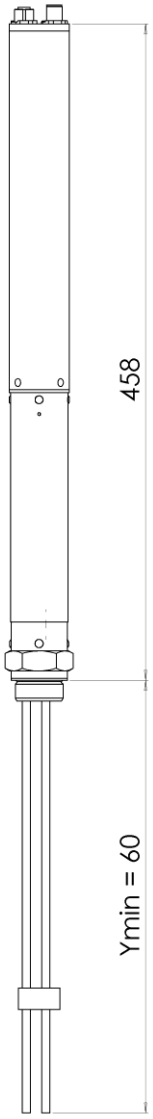
Responsiveness	>0.5µS/cm at 25° C
Power supply	24V
Power consumption	0.6W
Data exchange	CAN-Bus in accordance with DIN ISO 11898, CANopen protocol
Electrical connection	CAN-Bus in accordance with DIN ISO 11898
Protection class	IP65 in accordance with DIN EN 60529
Allowable ambient temperature:	0° C to 85° C
Self-test	every 3sec

Technical data

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 ≤ Y ≤ 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: min. level
Rod 2: max. level
Rod 3: signalling



Mounting housing

- 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