



Level Probe

DP411

Application and function

In conjunction with the DCC continuous level transmitter, the level probe DP411 is the level probe for a water level control system.

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

Technical basic equipment

Mechanical connection	G ½" (AF27)	
Electrical connection	CAN-Bus in accordance with DIN ISO 11898 Electrical 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 in accordance with DIN EN 60529
Allowable ambient temperature:	0°C bis 85°C
Self-test	every 3sec



Technical data

Allowable pressure	PS [bar]	32
Allowable temperature	TS [°C]	239
Plug / socket	M12; 5-polig; A-coded	
Protection class in accordance with DIN VDE 0470	IP65	
Allowable temperature at the plug	85°C	

Construction dimension Y [mm] min. 125

1700	with protective tube > DN80	vertical installation position
800	with protective tube DN50	vertical installation position

Minimum measuring range	50 mm
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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. Protective tube K, flange, screws, nuts and seals can also be supplied.
- For electrode support flange see separately Data Sheet.

Digital Documentation

