

DP221 High Water Limiter Probe

Application and function

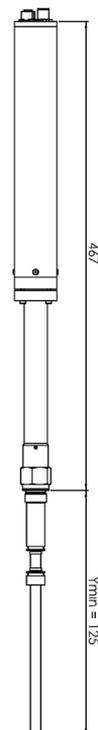
In conjunction with the self-monitoring high water level limiter DLH, the high water limiter probe is a limiter with safety function in accordance with the EC Directive 97/23/EC (PED) (special design according to Water Level 100). Conformity (CE marking) is certified in accordance with Annex III, Modules B+D (Category IV); notified body NB 0035. Regulations applied: corresponding DIN EN standards.

Standard technical equipment

Mechanical connection	G ½	
Power connection	CAN-Bus in accordance with DIN ISO 11898 Electrical connector	
Materials	Electrode housing	Niro
	Electrode rod	Niro
	Electrode extension	Niro
	Insulator	Ceramic
	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 to 85° C
Self-test	every 3sec



Technical data

Component identification mark / EC type-examination	www.tuv.com ID: 0000037000 CE 0035						
Allowable pressure	PS	[bar]	50	80	100	160	200
Allowable temperature	TS	[° C]	265	296	312	346	367
Plug / socket	M12; 5-pole; A-coded						
Protection class in accordance with DIN VDE 0470	IP65						
Allowable temperature at the plug	85° C						

Construction dimensions Y [mm] min. 125		
1700	with protective tube > DN80	vertical installation position
800	with protective tube > DN50	vertical installation position
800	with protective tube DN50/100	installation position inclined up to 45°

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

