

## DP321 Level Probe

### Application and function

In conjunction with the DCU discontinuous water level controller, the 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 ½"   |                       |
| Power connection      | CAN-Bus in accordance with DIN ISO 11898<br>Electrical connector |                       |
| Materials             | Electrode housing  | stainless steel       |
|                       | Electrode rod  | stainless steel       |
|                       | Electrode extension  | stainless steel       |
|                       | 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 in accordance with DIN EN 60529                       |
| Allowable ambient temperature: | 0° C to 85° C  |
| Self-test                      | every 3sec   |



### Technical data

|  |                       |       |     |     |     |     |     |
|--|-----------------------|-------|-----|-----|-----|-----|-----|
| Allowable pressure                               | PS                    | [bar] | 50  | 80  | 100 | 160 | 200 |
| Allowable temperature                            | TS                    | [° C] | 265 | 296 | 312 | 346 | 367 |
| Plug / socket                                    | SM12; 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° |

### 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

