

## Water monitor with two signal inputs in 2 different mounting formsn



**GEWAS 300 FG** Water monitor in **field frame** for wall mounting – device without sensor  
**Available from the 2nd quarter of 2012**

**GEWAS 300 SP** Water monitor in **snap-on housing** for DIN rail mounting – device without sensor  
**Available from the 2nd quarter of 2012**

### Applications:

Versatile alarm and protection device for DIN rail or surface mounting with universal input (screw-type terminals) for several external sensors. Sensors with switching threshold <100 kOhm can be connected (e.g. water probes, floating switches, level probes, magnetic contacts, etc.). In case of an alarm the connected device (e.g. pump, machine) is switched off by a change-over contact. The GEWAS 300 FG additionally provides an alarm. The internal or an external push-button resets the alarm state.

The GEWAS 300 .. is especially suitable for detection of conducting media (water, etc.). It is less applicable for badly or non conducting media (oils or fatty liquids), conducting foaming liquids or media causing electrically isolating deposits on the electrodes.

### Description:

The measuring method for level detection is based on the conductive principle, i.e. the electrical conductivity of the media is monitored. If the switching amplifier detects a value below the set conductivity the state "media detected" is output, otherwise "no media".

### Specifications:

Power supply: 18 V ... 250 V AC/DC  
**wide-range power supply**  
 Power consumption: < 2 VA

#### 1 signal inputs:

Triggering level: < 100 kΩ  
 Response time: 2 s

#### 1 Relay output:

Contact: change-over contact, potential-free  
 Switching voltage: ≤ 250 V AC  
 Switching current: ≤ 5 A (ohmic load)

#### Protection class:

IP20  
 ALSCHU 300 SP: IP65  
 ALSCHU 300 FG:

#### Electric connection:

connection via screw-type terminal  
 GEWAS 300 SP:  
 connection via 3 PG cable glands and screw terminals  
 GEWAS 300 FG:

Working temperature: -20 ... +60 °C  
 Storage temperature: -40 ... +80 °C  
 Condensation: not allowed

#### Housing:

GEWAS 300 SP: snap-on housing for DIN rail mounting  
 22.5 x 75 x 110 mm  
 (W x H x D)  
 GEWAS 300 FG: field frame  
 100 x 100 x 60 mm  
 (W x H x D) without PG cable glands

### Functions / displays:

Red / green LED: display for switching state of relay, switching state of sensors, status (supply) of device, status of battery  
 Acoustic alarm: internal alarm buzzer with battery back-up (only for GEWAS 300 FG)  
 Battery back-up: Monitoring and acoustic alarm are ensured even e.g. during power failures (only for GEWAS 300 FG)  
 Alarm reset: alarm reset by  
 GEWAS 300 SP: connection for external push-button  
 GEWAS 300 FG: push-button at front side  
**- 2AA** (only for GEWAS 300 FG)

**Options:** alarm output, internal alarm no longer applicable

### Accessories:

**GWF-1** water sensor without plug, 2m cable  
**GWF-1/5m** water sensor without plug, 5m cable  
**GWF-1/10m** water sensor without plug, 10m cable  
**GSS-1** level sensor, 2m cable (floating switch) for electrically non-conducting media  
**GNS-1** level sensor 2-pole (stainless steel electrode)  
**GSAS-1** magnetic contact, plug-in and self-adhesive

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