

pH- and ORP Sensors



■ Easy to use

- The bracket and the sliderail makes it easy to fit the sensor

■ Wide measuring range

- 0 - 14 pH or +/- 2000 mV

■ Low maintenance

- Field replaceable electrode
- Flushes automatically

■ Quick and easy calibration

- pH sensor: Calibrate with two different buffer solutions
- pH 4.00, 7.00 or 10.00

pH- and ORP sensors pHX and ReX intended for applications in waste water treatment plants, industrial process sewers etc.. The sensors are based on digital electronic with RS485 communication to the central unit BB2. In addition there is

an automatic flushing system. Two sensors in the X-series can be connected to a single BB2 box, which provides two 4-20 mA outputs. Two relay outputs are used for high/low alarms and flushing of the electrode.

Technical specifications

Material

| | |
|---------------------|---|
| Housing | 316SS (2343) |
| Top | PVC |
| Weight | 1.8 kg (4 lbs) |
| Process connection | Immersion |
| Immersion depth | max 30 cm (12") |
| Connection cable | 10 m (33 ft) polyurethan High impedance pH-input with a BNC connector |
| Flushing | 1/4" PVC hose |
| Dimensions | Ø28 x 1080mm (Ø1.1" x 43") |
| Measuring principle | Combination electrode |
| Measuring ranges | |
| pH | 0-14 |
| ORP | +/- 2000 mV |
| Linear | +/- 1.5 % FS |
| Inaccuracy | +/- 1.5 % FS |
| Isolation | Max 500 Volt. |
| Enclosure | IP 65 (NEMA 4X) |
| Temperature range | 0... +60 °C (32...140 °F) |
| Optional equipment | Slide rail mounting Ø28 Flushing device. Solenoid valve for flushing max 6 bar (90 psig) |

