

## Non-Invasive pH Sensors

### Specifications\*

Measuring range	5.5 – 8.5 pH
Response time (t <sub>90</sub> ) at 25 °C	30 sec.
Resolution at pH = 7	± 0.005 pH
Accuracy at pH = 7	± 0.05 sensor spot calibration ± 0.10 sensor batch calibration
Drift at pH = 7	< 0.005 pH per day (sampling intervall of 1 min.)
Temperature range	from 5 °C to 50 °C

### Properties\*

Compatibility	Aqueous solutions, ethanol, methanol (max. 10 % V/V), pH 2 – 10
Cross-sensitivity	Reduced to ionic strength (salinity); a high concentration of small fluorescent molecules in the visible range can interfere
Storage stability	18 months provided the sensor is stored in the dark
Calibration	pH spots are pre-calibrated; re-calibration is possible
Sterilization	pH spots are delivered either beta-irradiated or untreated; re-sterilization is not recommended

\* provided pH spots are used without further handling in physiological solutions