

Chematest 35/42 sensors for a wide range of applications: potable water to wastewater, swimming pool, cooling water.

## pH and Redox Potential

Digital, maintenance-free sensors with poisoning-protected reference systems, solid electrolyte and clogging-resistant annular gap diaphragm.

Temperature range: 0–50 °C  
Pressure: ≤ 2 bar  
Conductivity of sample: ≥ 100 µS/cm  
Reference system: Ag/AgCl  
Solid electrolyte: 3.5 M KCl (AgCl-free)  
Connection: 1 m cable with 4-pin connector  
Supplied with rubber cap.

### Swansensor pH CT

Measuring range: 1–13 pH  
Resolution: 0.01 pH  
Automatic temperature compensation with integrated sensor.

### Swansensor ORP CT

Measuring range: –400–1200 mV  
Resolution: 1 mV  
Pt redox electrode with integrated temperature sensor for consistent data records.

## Specific Conductivity

Digital four-electrode sensor with Pt electrodes. Insensitive to polarization effects.

### Swansensor Shurecon CT

Measuring ranges / resolution:  
0.00–9.99 µS/cm  
10.0–99.9 µS/cm  
100–999 µS/cm  
1.00–9.99 mS/cm  
10.0–29.9 mS/cm  
30–100 mS/cm  
Accuracy: ± (0.2 µS/cm + 1.5 % of reading)  
Temperature range: 0–50 °C



Left to right: Swansensor pH CT, ORP CT with high-quality storage container (storage container supplied with Chematest), Shurecon CT.

Temperature compensation: absolute (none), linear coefficient in %/°C, nonlinear function for natural waters according to EN 27888.

Concentration determination:

Measuring ranges / resolution at 20 °C:

NaCl:	0.00–8.25 %
HCl:	0.00–1.10 %
NaOH:	0.00–2.10 %
H <sub>2</sub> SO <sub>4</sub> :	0.00–2.31 %
HNO <sub>3</sub> :	0.00–1.90 %
Salinity:	0.0–82.5 ‰ (as NaCl)
TDS:	depending on coefficient
Connection:	1 m cable with 4-pin connector

SWAN Analytical Instruments AG warrants these SWAN-SENSORS to be free from all defects for one year from the date of purchase.

<b>Order numbers:</b>	<b>Swansensor pH CT</b>	<b>A–87.160.014</b>
	<b>Swansensor Redox CT</b>	<b>A–87.460.014</b>
	<b>Swansensor Shurecon CT</b>	<b>A–87.391.014</b>
Accessory:	Sensor storage container	A–70.065.634
Calibration solutions:	See <a href="http://www.swan.ch">www.swan.ch</a> for details and order numbers	

