**SWAN**
ANALYTICAL INSTRUMENTS

*SWAN Analytische Instrumente AG*
*CH-8616 Riedikon/Switzerland*
*Tel. +41 1 943 63 00*
*swan@swan.ch · www.swan.ch*

**Sensors Ammonium/RefTemp**

Data sheet no. DenA8774X010

Ammonium-sensitive electrode system for measuring in potable water and effluents.

## Swansensors Ammonium and RefTemp (NH₄-N)

### Ammonium sensor:

- Sensor with ion sensitive membrane in mechanically and chemically inert plastic case (IP 68) with excellent life time.

### Reference electrode RefTemp:

- Maintenance-free reference electrode in mechanically and chemically inert plastic case (IP 68) with excellent life time.
- Integrated temperature sensor.
- Ag/AgCl-reference system protected against poisoning.

**Automatic compensation of ion interference with Swansensor Potassium (A-87.740.010)**

### Specification for Swansensors Ammonium/Potassium:

Operative and measuring range:

$\qquad$ 0.1 bis 1000 ppm (=mg/l)

Measurement: ion sensitive membrane

Operating temperature: 0 to 50 °C

Pressure: < 2 bar

Case material:

$\qquad$ isotactic polypropylene, PPO

Connection: plug PG13.5

### Specification for Swansensor RefTemp:

Temperature sensor: NT5K (NTC)

Temp. measuring range: -10 to +50 °C

Operating temperature: 0 to 50 °C

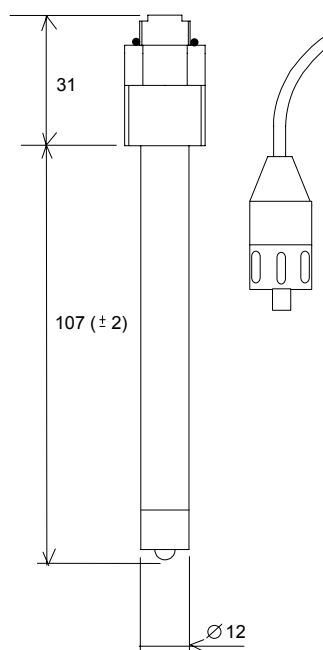Diaphragm: annular gap

Reference system: Ag/AgCl

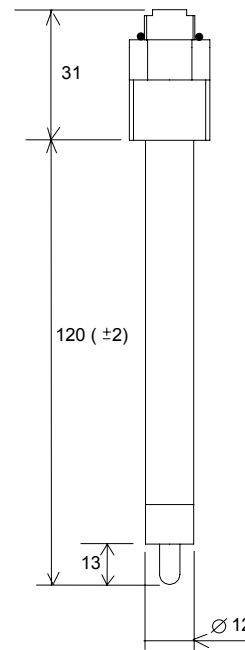Electrolyte: KCl-gel, 3.5 M (without AgCl)

Pressure: < 2 bar

Case material: isotactic polypropylene, PPO

Connection: plug PG 13.5

Swansensor Ammonium/Potassium          Swansensor RefTemp



(Dimensions in mm)

| Order number | Item |
| --- | --- |
| A-87.710.010 | Swansensor Ammonium, process connection: PG13.5, screw plug |
| A-87.810.010 | Swansensor RefTemp, process connection: PG13.5, screw plug |
| A-87.740.010 | Swansensor Potassium (for compensation of K⁺ ion interference) process connection: PG13.5, screw plug |
| A-87.702.010 | Ammonium sensor starter kit including 1 Swansensor Ammonium and 1 Swansensor RefTemp |

**Sensor regeneration** (sensor exchange - send in 2 of your used sensors!)

| | |
| --- | --- |
| A-87.719.010 | Regeneration of 2 Swansensors Ammonium |
| A-87.749.010 | Regeneration of 2 Swansensors Potassium |