# pH Sensors

Datasheet for all kinds of pH Sensor

- Process Flat pH Sensor H087
- Process pH Sensor PH12

# Process Flat pH Sensor H087

**SKU: H087**

**Doc No**: H087-DS-EN-10

## Introduction

H087 is a popular general purpose in-line (continuous measurement) electrode offering affordable, flat sensor application coverage for many water applications such as drinking water, industrial water, aquaculture, tank installations or related applications. The flat surface sensor is often referred to as "self-cleaning" when installed in a process stream since the water flow has a tendency to "shear off" biofouling and other debris from the sensor surface.

- 3/4" NPT threads on both front & back;
- Flat surface sensor with "self-cleaning" properties;
- Built-in temperature sensor Pt100.

## Typical applications

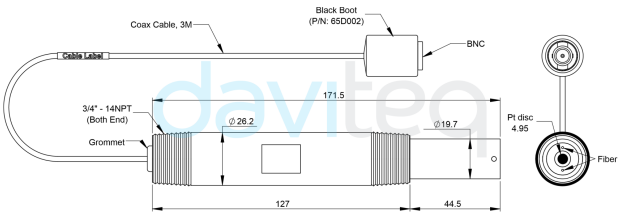
- Drinking water;
- Waste water;
- Industrial water;
- Aquaculture;
- Agriculture;
- Hydroponic;
- Soil pH measurement.

PROCESS PH FLAT SENSOR
H087



H087-H1.PNG

DIMENSION DRAWING OF H087
(Unit: mm)




H087-H2.PNG

## Specification

| | |
|---|---|
| Sensing Technology | Glass, combine electrode with Pt100 temperature sensor |
| Measuring range | pH 0 .. 14 |
| Resolution | pH 0.1 |
| Accuracy | +/- 0.1 |
| Working temperature | 0 .. 100 oC (compensated) |
| Working pressure | 0 .. 100 psig |
| Process connection | 3/4" NPT both ends |
| Wetted parts | PVC |

| | |
|---|---|
| Sensor Cable | 6m with BNC connector |
| Rating | IP68 |
| Sensor Dimension | D27 x 172 (mm) |
| Sensor net weight | < 200 grams |

## Ordering Code

| Item code | Descriptions |
|---|---|
| H087-0020 | PH SENSOR COMBO, IN-LINE, 3/4NPT PH COMBO, IN-LINE, CPVC, 3/4"NPT, ASGV FLAT, PT100 OHM, DJ, AG/AGCL, GEL, CE, 20F CABLE, BNC & T |

⚠ Link for full datasheet: https://filerun.daviteq.com/wl/?id=ZfgOqaUaPovTmC9NM9sragDDe60lrzbQ

⚠ Link for manual:

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# Process pH Sensor PH12

**SKU: H087**

**Doc No**: PH12-DS-EN-10

## Introduction

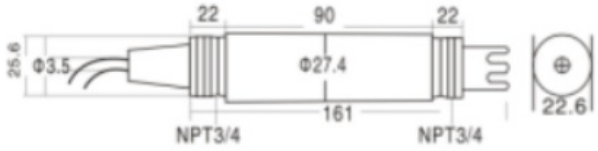
PH12 is a popular general purpose in-line (continuous measurement) electrode offering affordable sensor application coverage for many water applications such as drinking water, industrial water, aquaculture, tank installations or related applications.

- 3/4" NPT threads on both front & back;
- Built-in temperature sensor Pt100.

## Typical applications

- Drinking water;
- Waste water;
- Industrial water;
- Aquaculture;
- Agriculture;
- Hydroponic;
- Soil pH measurement.






## Specification

| | |
|---|---|
| Sensing Technology | Glass, combine electrode with Pt100 temperature sensor |
| Measuring range | pH 0 .. 14 |
| Resolution | pH 0.1 |
| Accuracy | +/- 0.1 |
| Working temperature | 0 .. 60 oC (compensated) |
| Working pressure | 0 .. 100 psig |
| Process connection | 3/4" NPT both ends |
| Wetted parts | PPS/PC |
| Sensor Cable | 5m with BNC connector |
| Rating | IP68 |

| | |
|---|---|
| Sensor Dimension | D27 x 172 (mm) |
| Sensor net weight | < 200 grams |

## Ordering Code

| Item code | Descriptions |
|---|---|
| PH12-01 | PH SENSOR COMBO, IN-LINE, 3/4NPT PH COMBO, IN-LINE, PPS/PC, 3/4"NPT, PT100, DJ, AG/AGCL, GEL, CE, 5m CABLE, BNC & T |

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