

# H2 UniAmp Sensor - Normal range - 2.1 x 80 mm needle

**Date:** 2025-08-14  
**Tags:** AE H2 H2 Evolution in-situ Unisense H2 Sensor  
**Category:** Equipment  
**Created by:** Alexander Eith

## Hydrogen Needle Sensor for piercing - Normal range With 2.1 X 80 mm

### Table

<b>Device name</b>	Hydrogen Needle Sensor for piercing - Low range With 2.1 X 80 mm	/
<b>Model number</b>	H2NP 508057	
<b>Manual</b>	<a href="#">Hydrogen-Sensor-Manual.pdf</a>	
<b>Location</b>	CEEC II E002 Irrad setup 4	
<b>Name in Instruments Calendar</b>	H2 sensor in Nextcloud Is always booked together with <a href="#">Equipment - H2 UniAmp Single Channel System</a>	
<b>Introduction</b>	yes	
<b>Responsible Person</b>	Alex	
<b>Protocol on usage of the device</b>	<a href="#">Protocol - Gas phase calibration of H2 UniAmp sensor</a> <a href="#">Protocol - Liquid phase calibration of H2 UniAmp sensor</a> <a href="#">Protocol - Hydrogen measurement with H2 UniAmp sensor (liquid or gas phase continous measurment)</a> <a href="#">Protocol - Hydrogen measurement with H2 UniAmp sensor (1 point gas phase measurement)</a>	

<b>Additional Information</b>	<p>Be careful when using device</p> <p>Electrochemical device - if not sure how to use it do not use it and ask responsible person</p> <p>Polarisation must be at 100 mV (is automatically done, when connected to <a href="#">Equipment - H2 UniAmp Single Channel System</a>)</p> <p>Thin glas capillary in the tip of the needle, be careful when handling</p> <p>Do not turn upside down</p> <p>Troubleshooting: <a href="https://unisense.com/video-guides/#troubleshooting">https://unisense.com/video-guides/#troubleshooting</a>, shake sensor to remove air/gas bubbles trapped inside</p> <p>When in use install semi-permanent irrad setup with sensor, use 3D printed protective hull, when BOLA fitting is regularly used, store in upright position; sotr with prttection around the cable</p> <p>Only dismantle when not used for longer time</p>
<b>Status from</b>	26/08/25

## Linked resources

Equipment - [Microwave Biotage Initiator, CEEC I lab 106](#)

Equipment - [H2 UniAmp Sensor - Low range - 2.1 x 80 mm needle](#)

Equipment - [H2 UniAmp Single Channel System](#)

Equipment - [Manual irradiation setup](#)

Information - [Everything about Usage of Irradiation Set-Up](#)

Information - [Guide: How to do an "equipment entry"](#)

Protocol - [Usage of manual irradiation setup](#)

Protocol - [Gas phase calibration of H2 UniAmp sensor](#)

Protocol - [Hydrogen measurement with H2 UniAmp sensor \(1 point gas phase measurement\)](#)

Protocol - [Hydrogen measurement with H2 UniAmp sensor \(liquid or gas phase continous measurment\)](#)

Protocol - [Liquid phase calibration of H2 UniAmp sensor](#)



Unique eLabID: 20250814-cbc7f86dbe76e08eadba94d547b32fbf39023e0b  
Link: <https://elab.water-splitting.org/database.php?mode=view&id=256>