

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

Table

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

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

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



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