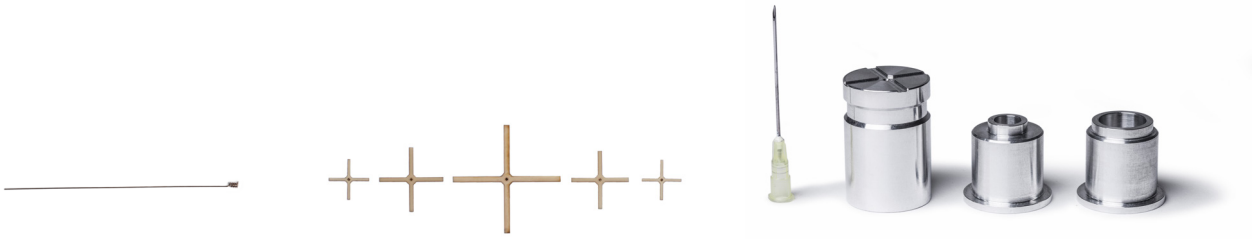
# Tempris Sensors for Lyophilization

## Accessories



# Accessories

**The correct measuring position in the Vial.** Only with the exact positioning of the sensor in the vial, the measurement data becomes comparable and provide valuable information to pharmacists throughout the freeze-drying process. With a few simple steps, the sensors are placed in position - easy, precisely and quickly. The disposable Centering Cross Pieces CCP and sensor antenna S-ANT are sterilizable and cGMP compliant.

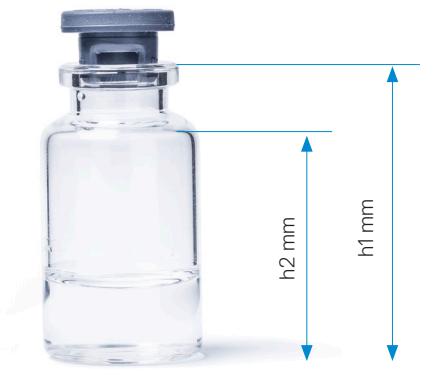
## **PIT** Piercing Tool

With the aid of the piercing tool PIT the sensor can easily be fixed to the rubber stopper.

The set includes the following parts:
(a) piercing needle
(b) piercing cap
(c) stopper holder 13 - for small vials 2R to 4R
(d) stopper holder 20 - for lager vials 6R to 50R/H

## **CCP** Centering Cross Piece

With the CCP the sensor is exactly placed in the center at bottom of the vial and is also adjustable in height. The disposable CCPs are available in sets for the below vial sizes, sterilizeable and cGMP compliant.




| | |
|---|---|
| 2R | • |
| 4R | • |
| 6R | • |
| 8R | • |
| 10R | • |
| 20R | • |
| 25R | • |
| 30R | • |
| 50R | • |
| 100R | • |
| 30H | • |
| 50H | • |
| 100H | • |
| GPL-1Vol. 3.0 | • |

CCP customized sizes on request

View from the vial bottom: CCP keeps sensor probe exactly centered at bottom (Tb) of the vial.

## S-**ANT** Sensor Antenna

The disposable sensor antenna is made of thin, flexible stainless spring steel and is cGMP compliant. This antenna is specifically designed to be compatible with the stoppering process.

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