

# SPIDER

**Mounting System for Temperature Sensors in  
Temperature and Climatic Chambers**

**SPIDER-600  
SPIDER-1000**

- Secure mounting for up to 11 temperature sensors
  - Adjustable stainless-steel mounting rods
  - Insulated temperature sensor mounts



### **Applications:**

- Temperature and Climatic Chamber mapping
- Chamber validation
- Chamber calibration
- Uniformity studies

### **Concept:**

The Spider facilitates flexible positioning of temperature sensors in climatic chambers. It simplifies the setup of chamber temperature tests, calibration and validation. It features eleven (11) sensor mounts made from flexible and insulating Silicone that isolates the temperature sensor from stainless-steel mounting rods.

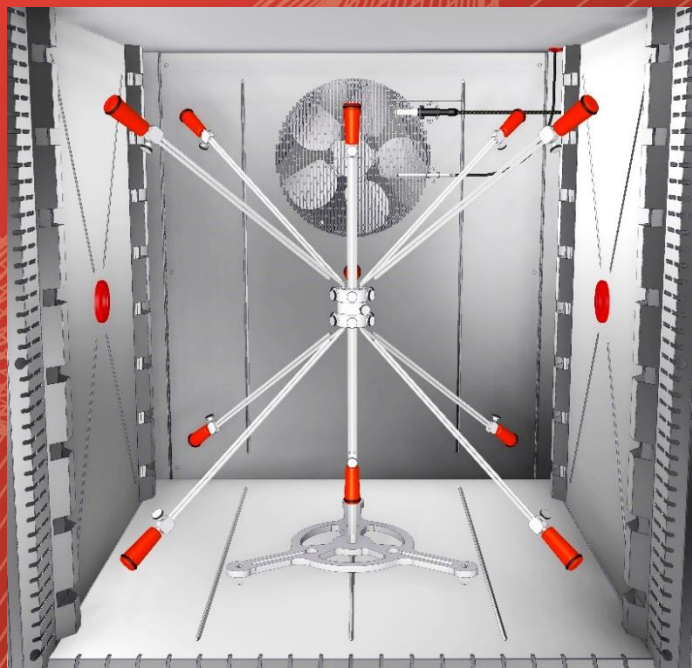
The mounting rods are configured so that the user can position the temperature sensors in the top and bottom corners (8), as well as bottom, middle and top of the center line of the chamber. This configuration meets the requirements of climatic testing standards and guidelines such as EURAMET/cg/20, IEC60068, DKD-R 5-7 and NF X 15-140.

### **Humidity Uniformity**

In combination with a dew point mirror hygrometer, temperature uniformity data can be combined with dew point data for relative humidity uniformity studies. This methodology is defined within the above-mentioned guidelines and standards.

### **Compatibility**

The Spider is suitable for temperature sensors from 3 to 6mm in diameter, and working temperatures from - 50 to + 200 °C. It is suitable for use with any type of multichannel temperature measurement systems including the MBW T12 multichannel thermometer.



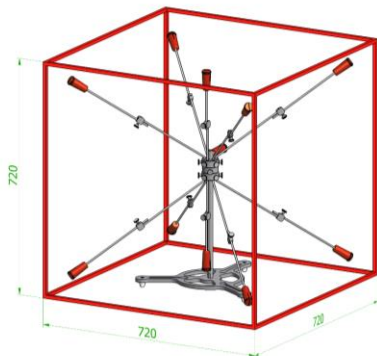


## Two versions of the Spider are available:

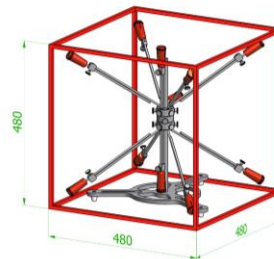
Spider 600 for chamber internal dimensions 480 mm<sup>3</sup> to 720 mm<sup>3</sup>

Spider 1000 for chamber internal dimensions 720 mm<sup>3</sup> to 1200 mm<sup>3</sup>

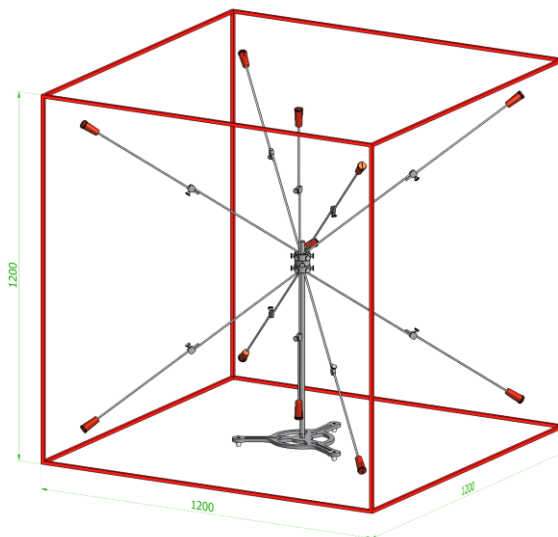
SPIDER 600 - max volume



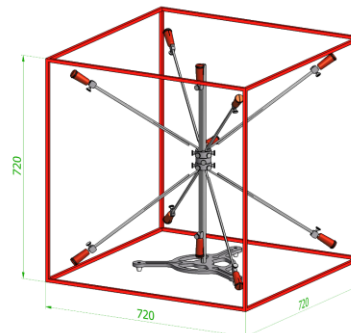
SPIDER 600 - min volume



SPIDER 1000 - max volume



SPIDER 1000 - min volume



## Ordering information:

| Description                                                | Part no. |
|------------------------------------------------------------|----------|
| Spider 600                                                 | 2824     |
| Spider 1000                                                | 2825     |
| Spider combo (1 base unit + Spider 600 & 1000 arm holders) | 2828     |
| Chilled Mirror dew point hygrometer aluminum shelve        | 2829     |
| Spare silicone end with O-ring                             | 2830     |