# SMART SENSOR - CSS 014

CSS

01400.2-00
** Replaced by 01420.2-00 **

- High Accuracy
- 4-20mA Temperature & Humidity outputs
- Compact DIN or screw mount
- M12 Quick connect socket
- IO-Link version



## PRODUCT DESCRIPTION

The compact Smart Sensor CSS 014 electronically records temperature and humidity and converts the measured data into a standardized analog 4-20 mA or a digital IO-Link signal.

The converted value signals can be utilized or further processed by a control or monitoring unit, e.g. a PLC control.
The Smart Sensor is suitable for installation inside and outside the enclosure, even in harsh environmental conditions as can be found in the wind power industry: in shielded outdoor areas and exposed to vibrations.

## TECHNICAL DATA

### GENERAL DATA

| | |
|---|---|
| **Control range temperature from** | -40 °C |
| **Control range temperature to** | 60 °C |
| **Control range humidity from** | 0 % RF |
| **Control range humidity to** | 100 % RF |
| **Mounting** | TS 35, Screw fixing |

### RATED OPERATING CONDITIONS

| | |
|---|---|
| **Connection type** | M12 round plug connector |
| **Operational temperature** | -40°C ... +70°C |
| **Storage temperature** | -40°C ... +85°C |
| **Operating humidity** | < 90% RH |

| Humidity storage | <90% RH |
|---|---|

## DIMENSIONS

| Height | 140 mm |
|---|---|
| Width | 40 mm |
| Depth | 38 mm |
| Weight | 0,05 kg |
| Material of body | Plastic |

## SAFETY & APPROVALS

| Protection class | III |
|---|---|
| IP class | IP20 |
| Approvals | CE, cRUus, RoHS, UL, VDE |

| Power consumption | 1,8 W |
|---|---|