Temperature and humidity Hygroclip sensor

Rotronic Hygroclip temperature and humidity intelligent sensors with high accuracy, no cable; for longer cable length purchase ZED extensions.

Intelligent sensors are much more than simple sensors. The idea of an intelligent sensor is based on the fact that its parameters (serial number, type etc.) and the calibration data are stored electronically in a circuit installed on its cable or inside the connector. In this way you can connect to a reading device or directly to your PC, several intelligent sensors of different kind and they will all be recognized for what they are and what they are able to read, along with their calibration data. The sensor sends to the device (PC or data logger) a digital calibrated data.

The main feature of the intelligent sensors, used in the Syrinx system and connected to the ZED modules, is the **recalibration procedure: easy, quick and not expensive**. You won't need to remove the ZEDs from their position. You won't need to send the sensors to Tecnosoft for recalibration and therefore remain without monitoring. Before calibration expires order the recalibration service for intelligent sensors. You will receive new sensors to replace the expiring ones that will be sent back to Tecnosoft later on.

All intelligent sensors come with an **Accredia** (NIST equivalent) **traceable calibration certificate included**.

Applications

Environment

Warehouses

Pharmaceutical

Healthcare

Food & Beverages

Medical

Laboratories

Logistic&Transport

Industrial

Cold Chain

Main features

- Standard cable length (50 cm) avilable but different rigid stainless steel probes: 30 or 80 mm, rounded or pointed
- Using the extensions it is possible to extended the cable length
- Possibility to switch sensors and devices with no calibration loss

Plus

- Easy recalibration: no need to uninstall the whole device for recalibration (sensor and unit), just disconnect the uncalibrated sensor and connect the calibrated one
- Time saving: you never loose a single minute of monitoring, since you receive the new calibrated sensor BEFORE unplugging the old one (that will be sent back to us)
- Easy to use: no configuration needed. The system recognizes automatically the sensors connected

The system

Intelligent sensors work with the Syrinx system and the FridgeLog Z software:
- ZED with one or two Intelligent Sensors
- FridgeLog Z software
- EAP receiver
- Syrinx collector

Accessories

- ZED IT cable extensions
- FridgeLog Z
- EAP Ethernet access point
- Syrinx Mini
- Syrinx desktop
- Syrinx L
- Syrinx software

Technical specifications

Intelligent sensor dimensions	83 h X 15 Ø (mm)
Sensor temperature range	-40 °C ÷ +80 °C
Standard calibration points (temperature)	5/30/50°C
Extra calibration points (temperature)	Within the range -40 °C ÷ +80 °C
Temperature resolution	0,05 °C
Temperature accuracy	± 0,3 °C (within the calibration range)
Humidity range	0% ÷ 100% RH (not condensing)
Standard calibration points (humidity)	30/50/70% @ 30°C
Extra calibration points (humidity)	Within the range 10% ÷ 90% RH
Humidity reslution	0,1%
Humidity accuracy	± 2% RH