

hanhart
SCIENTIFIC



S-LAB

Base Receiver





S-LAB

Base Receiver

The S-LAB Series is the reinvention of the proven but simple Hanhart lab timers now with additional network and logging functions for professional lab environments. The System consists of the S-LAB base receiver and up to four Wireless S-SENSOR Units.

Both the S-LAB Base receiver and the Sensor are made of high quality materials and designed with durability and reliability in mind. The clear and backlit LCD-Display shows up to four measurements simultaneously.

The captured data is sent to the S-NET Cloud Solution. Firmware updates are delivered via USB to keep your S-LAB System always on the latest Version.

The S-LAB can be powered for weeks with three AA batteries or NiMH rechargeable batteries. The batteries will not be charged when the USB cable is plugged in. The batteries are used for mobile operation or as failover protection against power outages when plugged in.



Energy Management

Uninterrupted operation - all the time

The S-LAB base receiver can run for weeks on three AA battery cells or NiMH rechargeable batteries. Another option is to use the USB-C interface for power. Batteries will not be charged when the USB-C interface is used to allow the use of non rechargeable batteries. Wireless Sensor units use two AA battery cells. Depending on operation conditions and probing intervals the sensors can run several weeks up to months with fresh batteries.





Wireless data transmission

Centralized data logs
from up to four wireless
S-SENSOR units

The S-LAB base receiver can handle up to four wireless Sensor units with different probes and log measurements in adjustable intervals. The integrated LCD display shows up to four Sensor units at once for monitoring. Gathered data is sent to the S-NET Cloud via WiFi. We offer S-NET Scientific Cloud, the live data solution for your measurement, data log management and monitoring. The Hanhart S-NET enables you to share and supervise your data collection in realtime. Push-messages, Data visualization with individual dashboards, automated reports and state-of-the-art encryption make daily lab tasks easier and more centralized.



Calibration and verification

Precision for years to come

Every probe is calibrated within quality assurance at our factory and needs to be verified at least every 12 months to guarantee utmost precision and constant readings.





Design and quality

German design and engineering

After two years of development, market research and feedback loops with lab professionals we are proud to present the Hanhart Scientific System. The idea is simple. Most labs use timers and probes in some way to get relevant data. Until now this had to be done with very simple timers and with manual intervals. This workflow is error prone and repetitive tasks occupy time that could be put to a better use. The Hanhart S-LAB System is designed to automate these relatively simple tasks in a very flexible and convenient way. Just place the wireless S-SENSOR unit, define a name for your data set and interval for the measurements and let go. The collected data

will be sent to the S-NET Cloud. Automated push alerts, worldwide live monitoring and increased data integrity are just a few of the advantages the Hanhart S-NET Cloud System can bring to your enterprise. The System is designed for professional heavy use and longevity. German engineering and design with precision and reliability in mind guarantee many years of uninterrupted operation. Save money that would be used on conventional timers and often way more expensive probes, while your daily workflow becomes easier.



Wireless Monitoring



Wireless Logging



Process Security



Transmission Range



Portable



Easy Installation and
usage



Sensor network

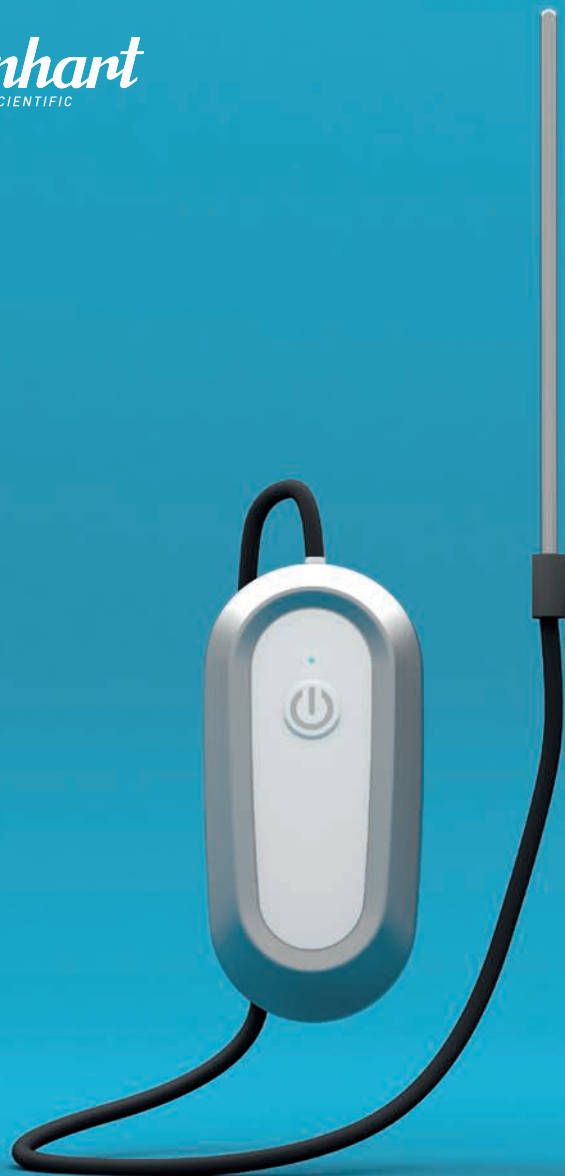


Encrypted data
transmission



Easy data handling

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📶 S-SENSOR



S-LAB



Durable and clean design



Battery compartment



USB-C Power Supply



User friendly navigation and bright LCD Screen



Specifications

S-LAB

- Size: 14 cm x 9 cm x 3,5 cm
- Batteries: 3x AA Mignon or NiMH
- USB-C Power Supply
- LCD Display with Background Light
- SubGHz Connection to S-SENSOR Units
- WiFi to Hanhart S-NET Cloud Service
- Up to 4 connected Sensor Units



S-SENSOR

Wireless
Temperature
Sensor Unit





S-SENSOR

Scientific probe and data transmitter

S-SENSOR wireless units are available as temperature probes (°C/°F). It was our goal to design the scientific series sensor units as efficient and reliable devices ready for daily use. Up to four sensors can send their measurements to the S-LAB receiver. Your S-LAB System is easily expandable with more wireless sensor units or S-LAB base receivers.

S-SENSOR units are powered by two AAA-batteries. Depending on work environment and measurement intervals the sensor units can be used for weeks up to months.



Wireless Monitoring



Wireless Logging



Process Security



Transmission Range



Portable



Easy Installation and
usage



Sensor network



Encrypted data
transmission



Precision probes



Specifications

S-Series Sensor Units

- Size: 10 cm x 5 cm x 3 cm
- High quality temperature probe (Range -40°C to 120°C ; $\pm 0,4^{\circ}\text{C}$)
- Batteries: 2x AAA
- Status LED
- SubGHz Connection to S-LAB base receiver



S-NET

Scientific Cloud
Service



S-NET

Cloud Data storage and visualization

We offer the S-NET cloud service to make your data logs accessible worldwide, anytime. Push messages, data visualization with individual dashboards, automated reports and state-of-the-art encryption help to centralize and simplify your daily lab routine.

Your S-LAB base receiver uploads gathered data automatically to your secured and encrypted cloud. The S-NET manages new data along your templates and creates automated reports. Access your live data from many different sensors in individual dashboards to gain quick overview and monitor in real time.

Never miss an alert or interval of your measurements again. The S-LAB will send warnings over the S-NET if user-defined limits are exceeded, if its own or a sensors battery is low or if the connection to one of the sensors is weak.

All your data is stored on redundant discs and backed up daily. We only use safe high quality servers in Germany.



Wireless Monitoring



Wireless Logging



Process Security



Centralized Data



Encrypted data
transmission



Data availability



Easy data handling



High security servers



Easy Installation and
usage



Specifications

S-NET Cloud Service

- Flexible Subscription model that grows with your demand
- Quit your subscription anytime
- Monthly and annual payment options
- Multiple users and permission types
- Personalized reports and dashboards
- User centered and intuitive interface



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