

Data Sheet

Rev.0.5 - 01-NOV-2023

Eupry Wi-Fi Data Logger

DW1ST / DW1STM / DW2ST



Simple Installation

Install multiple Data Loggers at once using our app, the process takes a few minutes.



Secure Data

All data transferred is secured using a unique Advanced Encryption Standard (AES128) key.



2 Year Battery Life

Under normal usage conditions, our batteries last for up to 2 years.



Common Applications

- Refrigerators
- Freezers
- Incubators
- Storage Rooms
- Mapping/Qualification Exercises

Technical Specifications

Temperature Operating Range	-30°C to +50°C (-22°F to 122°F)
Temperature Accuracy	±0.5°C (±0.9°F) [before calibration]
Temperature Resolution	0.01°C (0.018°F)
Temperature Drift/Year	±0.01°C (±0.018°F)
Power	2 x AA (Lithium batteries recommended)
Battery Lifetime	Up to 2 years (usage dependent)*
Measurement Frequency	Configurable: 30 sec. to 15 min. Dependent on software package
Memory	10,000 Measurements
Data Connection	WiFi 2.4GHz 802.11 b/g/n - End-to-End Encrypted
Certifications	CE, RoHS, FCC
Identification	Unique GS1 GRAI Code
Display	WiFi Status & Temperature Status
Dimensions	91.5mm x 37mm x 33mm
Unit Weight (w/ Batteries)	83g
Casing	ABS Polymer
Interface	External Sensor (2,5mm - 4P)

Data Sheet

Rev.0.2 - 09-OCT-2023

External Humidity Sensor

P1TH



Simple Installation

Plug & Play installation process with a digital sensor.
Up running in seconds.



Automated Calibration¹

Eupry automatically sends you new, calibrated plugs when you need them. No need to send a request.



Calibration Certificates

Calibration certificates directly within our user-friendly online monitoring system.

Common Applications

- Ambient Rooms
- Air Quality
- Mapping/Qualification Exercises

Technical Specifications Temperature

Temperature Operating Range	-40°C to +50°C (-40°F to 122°F)
Temperature Resolution	0.01°C (0.018°F)
Temperature Accuracy	Depending on Calibration
Typical Temperature Accuracy	±0.1°C (0.18°F) [@ +20°C to +50°C] ±0.2°C (0.36°F) [@ -20°C to +20°C]
Typical Temperature Repeatability (Precision)	±0.04°C (0.072°F)
Temperature Drift/Year	±0.03°C (0.054°F)
Thermal Response Time (τ)	60s

Technical Specifications Humidity

Humidity Operating Range	0-99% RH (Non-condensing)
Humidity Resolution	0.01% RH
Humidity Accuracy	Depending on calibration
Typical Humidity Accuracy	± 1.5% RH [0-80 %RH] ± 2% RH [80-99% RH]
Typical Humidity Repeatability (Precision)	0.08 %RH
Humidity Drift/Year	<0.25 %RH (@ 0-80% RH)

Technical Product Specifications

Sensor Type	Digital
Diameter	11mm
Length (Installed)	22mm
Length (Total)	33mm

1: Requires a calibration service agreement

Canadawide
SCIENTIFIC

Premium Software

Product Specifications

ISW5

No unexpected cost

Solution for GDP & GLP

Hardware Guarantee

All hardware will be replaced free of charge in case of malfunction



Alarms

Get alerts and protect your assets around the clock

Email & SMS ¹
Call Add-on available

Encrypted Data Storage & Backup

Our cloud-based system automatically stores and backs up your data

5 Years

Users

Assign multiple users with different permission levels

Unlimited

Locations

Set up multiple locations for a complete overview of your assets

Unlimited

Battery Replacement ²

Fresh batteries sent to you together with new calibrations



Access Calibration Certificates

Download and print calibration certificates straight from our platform



Deviation Handling & Messaging

Tailor made messaging system designed to handle deviations effectively



Print Custom PDF Reports

Tailor made messaging system designed to handle deviations effectively



Export Raw Data (CSV)

Export raw data in CSV format



Access Anywhere

Accessible on phones, tablets and computers with a data connection



Designed for PCs, Tablets & Phones

Responsive, user-friendly interface that works great across all devices



Logging Interval

How often data is recorded

Configurable
Standard: 3 min.

Upload Frequency

How often data is uploaded

Configurable
Dynamic, Smart Upload & Fixed

Dashboards for alarms and deviation management

Responsive and personally configured dashboard for effective operations

Add-On

1: SMS alarms are only available in specific countries, up to 700 SMS per year per datalogger.

2: Battery replacement follows the interval of the calibration. You have to handle battery replacement in the period in between the calibrations if needed.