



MAHIR SCIENTIFIC
Your trusted path to quality solutions.



SMART PHARMALOGGER.

Keep an eye on things, Intelligent Environmental Monitoring Solution



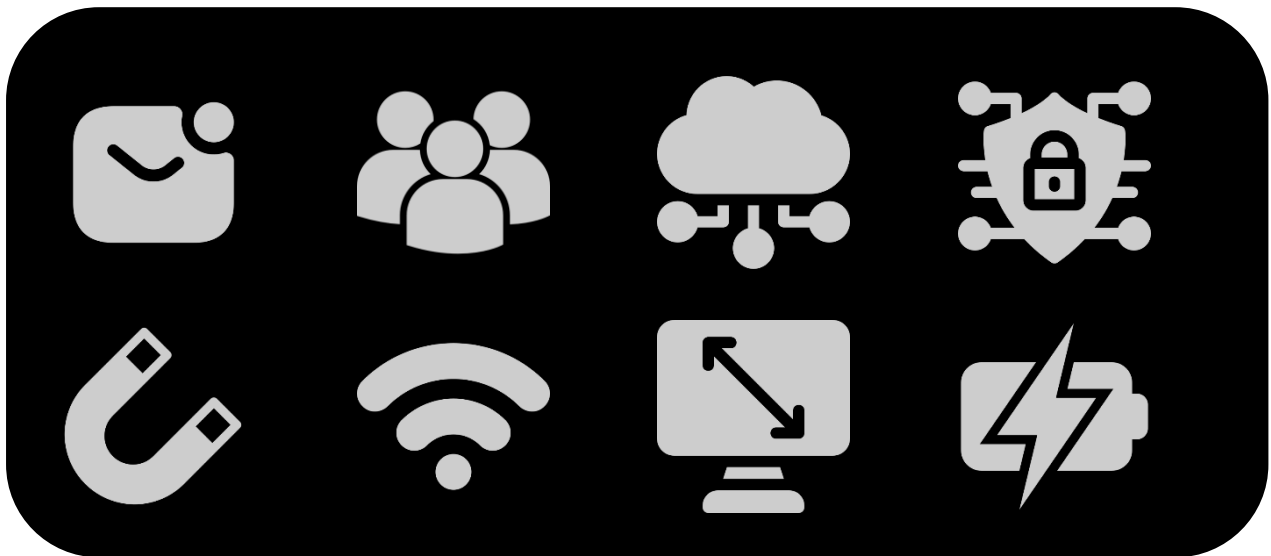
The **Smart Pharma logger** is an advanced, plug-and-play monitoring system designed specifically for **pharmaceutical environments** and highly effective in various locations & instruments such as laboratories, warehouses, fridges, incubators, ovens, stability chambers, ducts, laminar fume hood, safety cabinets, server rooms and more. It provides a **non-invasive, wireless monitoring solution** that ensures compliance, data integrity, and complete environmental visibility — all without the need for external software, complex installations, or wiring.

➤ Why Choose Smart Pharmalogger?

In pharmaceutical industries, maintaining precise environmental conditions is not optional — it's **critical** for product safety, quality, and regulatory compliance. The Smart Pharma logger eliminates the complexity of

monitoring these conditions by providing a **comprehensive, secure, and centralized platform** for real-time and historical data access.

Whether you're tracking temperatures, humidity, air velocity, air quality, fire, smoke, RPM this device delivers **highly accurate, calibrated readings**, supported by **graphical reports** and extensive analytics.



KEY FEATURES:

Global Cloud Reach

Access live data feeds and system metrics from any corner of the globe without local network limits. Uses strict 256-bit AES encryption and multi-factor login steps to keep private files safe from threats.

- ✓ **Universal Compatibility** Works with any existing equipment – no drilling, no wiring, just seamless Wi-Fi-based integration.
- ✓ **Advanced Data Logging** Continuously records data for **up to 60 years**, filterable by date with exportable logs in **PDF** or printable format from **PC, laptop or mobile**.
- ✓ **Graphical Reports & Visual Analytics** Automatically generates charts including **line graphs, pie charts** and summary statistics like **Min, Max, and Mean** values.
- ✓ **Built-in Calibration & OTA Updates** Includes internal calibration procedures and **Over-The-Air updates** for hassle-free maintenance and upgrades.

- ✓ **Audit Trail Logs** Every action is recorded — whether it's a range adjustment, PDF template change or user account modification — ensuring **traceability and accountability**.
- ✓ **Three-Level Role-Based Security** Assign specific roles:
 - **User** – basic monitoring, report access and export backup
 - **Manager** – alert & pdf customization, range configuration & restore data
 - **Admin** – full control including user management, system settings
- ✓ **SMS, Email & Push Alerts with Notification History** Sends **real-time alerts** when environmental conditions go out of range. Customize your message and email templates. The **Outbox log** shows when and what notifications were sent, including visual summaries.
- ✓ **Data Backup & Restore with Encryption** Export or import **fully encrypted** backups — only the original device can read them, ensuring **maximum data privacy and protection**.
- ✓ **Modern Responsive Interface** Clean, professional UI accessible from any device. Offers both **light and dark themes** for user comfort.
- ✓ **Customizable PDF Templates** Include or exclude comment boxes, charts, logs, signatures, etc. for **tailored reporting**.
- ✓ **Built-in Alarm System** Audible and visual indicators for immediate local alerts without requiring any external device.

Applications:

- **Instruments (Incubator, Freezer, Oven, Tanks, Chambers etc.)**
- **Cold Chain Logistics, Moving Containers etc.**
- **Cleanrooms, Production Areas & Labs etc.**
- **Research & Development Facilities**
- **Warehouses, Ducts & Storage Rooms**



Revolutionize Your Data Logging and Monitoring Experience

Access data logs and live monitoring from any smart device: laptops, smart TVs, mobile phones, and more.

➤ **SPECIFICATIONS;**

Built-in 1.8" color LCD displaying live sensor readings with status-based dynamic background color.

Built-in rechargeable battery with USB-C charging port, providing up to 3 hours of backup.

Built-in Wi-Fi (802.11b/g/n) with Secure HTTP Server (Password Protected)

Built-in Alarm (Buzzer/Beep)

SMS Alerts (PTA Approved)

Email Alerts (SMTP with SSL & TLS encryption support)

Built-in Data & Audit Logs – 21 CFR Standards

Touch button to toggle built in alarm

Access from anywhere in the world via Static IP (Not included by default)

SENSOR TYPES & RANGES;

Twin Hygro Sensor > 0 ~ 100% RH $\pm 1\%$ | -20 ~ 120°C $\pm 0.1^\circ\text{C}$

Temperature Only > -50 ~ 150 $\pm 0.5^\circ\text{C}$ | -80 ~ 1100 $\pm 1.0^\circ\text{C}$

Air Velocity > 0 ~ 15 m/sec $\pm 1\%$

Differential Air Pressure > -125 Pa to 125 Pa (± 0.08 Pa) - *Tube connection (dual male)*

Air Quality > Ammonia, Sulfide, Benzene Series Steam, Smoke & Toxic gases

VISUAL DESIGN;

Slim, Space-Saving Design and Optimized Size with magnetic hanging

Size(mm) W78 x H48 x L48

Weight 200gm approx.

TECHNICAL SPECIFICATIONS;

Ultra-low power (ULP) co-processor (Dual Core)

Energy Efficient (Input 5V/3A) Consumption 250~350mA

Auto resumes on power fail.

WARRANTY & AFTERSALES ASSURANCE;

The **Smart Pharma logger** is backed by our **1-Year Warranty**, giving you complete peace of mind. We also offer **1-Year Free Calibration Service**, ensuring your device stays accurate and compliant with industry standards. Additionally, we maintain a **full inventory of spare parts**, so you never have to worry about availability or delays in maintenance. Whether it's routine servicing, component replacement, or technical support — our team is always ready to help.

- ✓ **1-Year Warranty**
- ✓ **Free 1-Year Calibration & Pro License**
- ✓ **Full Spare Parts in Stock**
- ✓ **Responsive Aftersales Support**

With Smart Pharmalogger, you're not just buying a product — you're investing in a **reliable, long-term solution with dedicated support**.

Comparison:

Features	Smart Pharmalogger	Other Brand's
Temperature Accuracy	±0.1	±0.5
Humidity Accuracy	±1%	±5%
Air Velocity (M/s) Accuracy	±1%	±3%
Differential Air Accuracy	±0.08 Pa	±0.15 Pa
Storage	600,000	20,000
Log duration (1h)	68.5 year's	833 days
Log duration (10m)	11.4 years	138 days
Data Backup/Restore	Yes	Rarely Available
Audit Logs	Yes	Limited Variants
Customize Message	Yes	No
Customize PDF Style	Yes	No
3-level Security System	Yes	Rare
Color Display	Yes	No
WiFi Communication	Yes	Rare

Dual Theme (UI)	Yes	No
Compatible Devices	All	Limited
External Display	Yes (3.5"~100+" Screens)	No
Infinite User Account's	Yes	No
Notification's	Unlimited	Limited (Additional Charges)
SMS Notification's	Yes	Offen
Email Notification's	Yes	Offen
Cloud Access	Yes	Offen
Hidden Charges	No	Offen
Without License	All functionality (excluding cloud)	Limited features + (excluding audit logs & cloud)
License Fee (Yearly)	\$100 (Infinite devices & users)	\$150+ (5 devices, 5 users) \$1500+ (50 devices, 100 users)

Regulatory Compliance Blueprint

21 CFR Part 11 Compliance

cGMP Compliance

ISO 14644 Series

EU GMP Annex 1

USP, JP, BP, ChP, KP, RF Compliance

Smart Pharamlogger

Mahir
INTERNATIONAL

MADE IN PAKISTAN

PTA
APPROVED