

UNIQUE SERVICES PVT. LTD.



UDDS

**S M A R T
O U T D O O R**

A I R Q U A L I T Y M O N I T O R

with weather station

Model : BI-AR-HS-AR001

UDDS

INTRODUCTION

Unique Services Pvt Ltd. is our venture wherein we render personalised solutions to innovative ideas for discrete environmental problems. The company came into existence to increase awareness about the growing levels of air pollution which have reached an alarming stage in India.

TRUSTED BY



INTRODUCING

Smart Outdoor Air Quality Model

Our Ambient Air Quality Monitoring device is where your search stops if you are looking to quantify the concentration and impact of air toxins at an outdoor location. The user can accurately monitor all primary air pollutants and toxic gases simultaneously!

The monitor comes with GSM, Serial USB UART communication and Micro-SD card storage which enables the user access real-time and historic data through multiple devices via AQI India Dashboard anytime, anywhere.



Smart Outdoor

QUALITATIVE FEATURES

An intelligent outdoor monitor to keep a tab over the air you breathe outdoors.



GSM and SERIAL
USB UART
communication



Detects
Toxic Gases



Micro-USB
Cable



Micro SD
Card Storage



Battery
(optional)



Interactive
Dashboard

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"Know what you breathe"



DESIGNED TO BE DISCRETE

With a minimalistic design and aesthetical design, Smart outdoor is tailor-made for commercial, industrial and research-based applications. It flexibly blends with any outdoor environment—construction sites, airports, railways, highways, traffic junction and more.

TECHNICAL SPECIFICATIONS

Smart Outdoor

Parameters	Sensor Type	Range	Resolution	Accuracy
TSP, PM10, PM2.5 & PM1	90° Light Scattering	0 to 30000 $\mu\text{g}/\text{m}^3$	1 $\mu\text{g}/\text{m}^3$	0-150 $\mu\text{g}/\text{m}^3$ is for $\pm 10\%$ & for 150 $\mu\text{g}/\text{m}^3$ onwards is $\pm 15\%$
Carbon Dioxide (CO_2)	NDIR	1 to 10000ppm	1ppm	$\pm 3\%$
Nitrogen Dioxide (NO_2)	Electrochemical	0 to 20ppm	1ppb	$\pm 3\%$
Carbon Monoxide (CO)	Electrochemical	0 to 1000ppm	1ppb	$\pm 3\%$
Sulphur Dioxide (SO_2)	Electrochemical	0 to 100ppm	1ppb	$\pm 3\%$
Ozone (O_3)	Electrochemical	0 to 20ppm	1ppb	$\pm 3\%$
Nitric Oxide (NO)	Electrochemical	0 to 20ppm	1ppb	$\pm 3\%$
TVOC	MOS	0 to 9ppm	10ppb	$\pm 3\%$
Hydrogen Sulphide (H_2S)	Electrochemical	0 to 100ppm	1ppb	$\pm 3\%$
Noise	Digital Sensor	30-140dB	1dB	$\pm 3\%$
Temperature	Digital Sensor	-40 to 70 °C	0.1°C	$\pm 5^\circ\text{C}$
Humidity	Digital Sensor	0 to 100% RH	1% RH	$\pm 3\%$ RH

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TECHNICAL SPECIFICATIONS

Smart Outdoor

Parameters	Range	Accuracy
Wind Speed	0 - 60 m/s	± 0.3 m/s
Wind Direction	0 - 360°	$\pm 5^\circ$
Rainfall	0 - 4 mm/min.	± 0.2 mm
Air Pressure	30 - 110 Kpa	± 2.5 pa

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Smart Outdoor

PRODUCT OVERVIEW

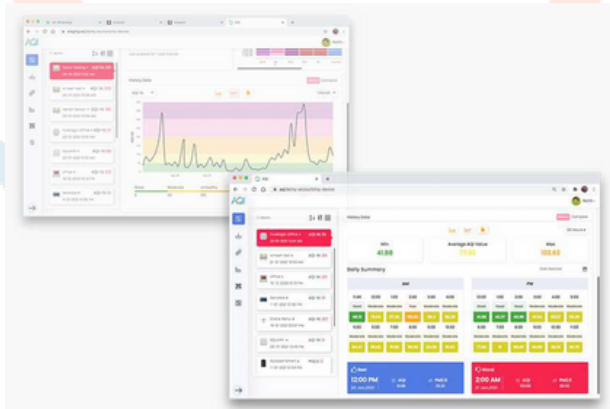
Features	Description
Operating Temperature	-40°C to 70°C
Storage Temperature	-30°C to 130°C
Dimensions	28X18X8cm
Weight	2 Kg.
Power Supply	12V DC
Voltage	230V
Storage	Micro SD Card Storage + Cloud Storage (with AQI Dashboard)
Connectivity	GSM and SERIAL USB UART communication
Web Dashboard	Live web dashboard for remote data access
Mobile App	AQI INDIA (available on ios and android)
Battery	Optional

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WEB DASHBOARD

One stop solution to showcase, access, historical and real-time indoor and outdoor air quality data from different monitoring devices.



Dashboard



Compare



Link



Export File



QR Code



Tree View

C O N T A C T U S

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