

ENVIRONMENTAL STATION

IDTOLÚ ENVIRONMENTAL STATION

IDTOLÚ environmental stations are designed for real-time measurement and analysis of various environmental variables in outdoor settings.

Available in three models, they enable monitoring of parameters ranging from standard weather conditions to atmospheric pollutants, adapting to different settings and requirements. They incorporate technology that allows real-time data collection and transmission, supporting decision-making based on current information.

Applications



Air quality monitoring in urban and residential areas



Environmental management in industrial and high-impact zones



Weather condition tracking in rural and agricultural areas



Ecosystem monitoring



ELICO, our proprietary digital platform, delivers real-time, customizable access to data collected from sensors. It enables seamless monitoring across multiple devices and locations while providing in-depth analytics. The platform also enhances decision-making by identifying historical trends and patterns for better insights. Additionally, ELICO simplifies device integration with a QR-based onboarding system, allowing users to quickly add new sensors and expand their monitoring network effortlessly.





Graphical Representation of Data Trends by Time Period

The graphs show historical data points, highlighting variations and patterns for detailed analysis

¡Welcome

Log in to monitor your usage

☑ example@company.com

Forgot your password?

Don't have an account yet? Sign up here

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back!

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Device Management

View and manage all connected devices from ELICO interface



Access ELICO seamlessly from your mobile device, ensuring real-time visibility into sensor data no matter where you are. Monitor key parameters, receive instant updates, and manage devices effortlessly from your smartphone, keeping your operations running smoothly at all times.

Specifications

Each version is specifically designed to suit different environmental monitoring needs, ensuring precise measurements for its intended application.











Isometric

All measures in mm

IDT-ENV-001

Range	0 - 40 m/s, begins to 0.5 m/s
Accuracy	±0.5 °C ± 2% FS
Response time	1s
Range	0 - 359°
Accuracy	±3°
Response time	1s
Range	0 - 99% RH
Accuracy	± 3% RH (60% RH, 25 C°)
Long-term stability	≤ 1% / year
Response time	<1s
Range	- 40° C ± 80°C
Accuracy	±0.5° C(25° C)
Long-term stability	≤ 0.1° C / año
Response time	<1s
Range	0 - 130 kPa
Accuracy	±0.15 kPa @ 25° C 101 kPa
Long-term stability	≤ 0.1 kPa / year
Response time	<1s
Range	0-1800W/m ²
Accuracy	≤±3% @150 W/m ²
Accuracy	:5%
Resolution	0,1 mm
PM (Particles)	
Range	0~1000 µg/m ³
Size range	0.3-10 um (PM1.0. PM2.5. PM10)
Accuracy	±15 µg/m ³ (±100 µg/m ³): ±15 % (>100 µg/m ³)
Measurement of CO ₂	
Pange	0 - 5000 ppm
Accuracy	* (50 ppm + 5% of the reading value)
Massurament of CH20	2 (50 ppm + 5 % of the reading value)
Pange	0 - 6 250 mg/m ³
Nalige	0.0230 mg/m
Accuracy	± 0.05 mg/m ^o (\$0.2 mg/m ^o); ±20 % of the reading value (>0.2 mg/m ³)
Measurement of TVOC	
Panga	0 - 3 degrees
Pernonse time	= 30 s
Response time	\$20 S
Moacurement of 03	-000
Barrer Direction 00	0.10.777
Range	0~10ppm
Accuracy	U.I ppm
ACCUTACY	= 0.1 ppm (\$1 ppm); =20 % of the full range (\$1 ppm)
Measurement of CO	
Range	0 ~ 500 ppm
Resolution	0.1 ppm
Accuracy	± 10% of the reading value
Measurement of NO2	
Range	0.1 ~ 10 ppm
Resolution	0.05 nnm

IDT-ENV-002

Wind speed	
Range	0 - 40 m/s, begins to 0.5 m/s
Accuracy	±0.5 °C ± 2% FS
Response time	1s
Range	0 - 359°
Accuracy	±3°
Response time	1s
Humidity	
Range	0 - 99% RH
Accuracy	±3% RH (60% RH, 25 C°)
Long-term stability	≤1% / year
Response time	<1s
Range	- 40° C ± 80°C
Accuracy	±0.5° C(25° C)
Long-term stability	≤ 0.1° C / year
Response time	<1s
Range	0 - 130 kPa
Accuracy	± 0.15 kPa @ 25° C 101 kPa
Long-term stability	≤ 0.1 kPa / year
Response time	<1s
Range	0-1800W/m ²
Accuracy	≤ ± 3% @150 W/m ²
Accuracy	±5%
Resolution	0.1 mm
Range	0 ~ 1000 μg/m ³
Size range	0.3-10 µm (PM1.0, PM2.5, PM10)
Accuracy	±15 μg/m ³ (≤100 μg/m ³); ±15 % (>100 μg/m ³)
Range	0 ~ 5000 ppm
Accuracy	±(50 ppm + 5 %)
Measurement of CH2O	
Range	0 ~ 6.250 mg/m ³
Accuracy	± 0.03 mg/m³ (≤0.2 mg/m³); ±20 % of the reading valu (>0.2 mg/m³)
Range	0 ~ 3 degrees
Response time	≤20 s
Recovery time	≤60 s



IDT-ENV-003

Range	0 - 40 m/s, begins to 0.5 m/s
Accuracy	±0.5 °C ± 2% FS
Response time	1s
Range	0 - 359°
Accuracy	±3°
Response time	1s
Range	0 - 99% RH
Accuracy	±3% RH (60% RH, 25 C°)
Long-term stability	≤ 1% / year
Response time	<1s
Range	- 40° C ± 80°C
Accuracy	±0.5° C(25° C)
Long-term stability	≤ 0.1° C / year
Response time	<1s
Range	0 - 130 kPa
Accuracy	±0.15 kPa @ 25° C 101 kPa
Long-term stability	≤ 0.1 kPa / year
Response time	<1s
Range	0-1800W/m ²
Accuracy	≤±3% @150 W/m ²
Accuracy	±5%
Resolution	0.1 mm



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