



ALL-PoE-CO2-LAMP

CO₂ Raumluft Ampel mit RGBW-LEDs



KURZANLEITUNG

1. Lieferumfang:

Bitte prüfen Sie die Verpackung und den Inhalt auf Schäden:

- Deutet an der Verpackung etwas darauf hin, dass beim Transport etwas beschädigt wurde?
- Sind am Gehäuse Beschädigungen zu erkennen?

Sie dürfen das Gerät auf keinen Fall in Betrieb nehmen, wenn es beschädigt ist. Wenden Sie sich im Zweifelsfall an unseren technischen Kundendienst.

Verpackungsinhalt

- ALLNET® ALL-PoE-CO2-LAMP
- 1x Netzteil (48V / 0,5A)
- 1x Netzkabel
- Kurzanleitung



Sicherheitshinweise

Beachten Sie unbedingt folgende Hinweise:

- Öffnen Sie niemals das Gerät.
- Führen Sie niemals eine Installation während eines Gewitters durch.
- Stellen Sie sicher, dass Leitungen stolper- und trittsicher verlegt werden.
- Setzen Sie das Gerät im Betrieb niemals direkter Sonneneinstrahlung aus.
- Betreiben Sie das Gerät niemals in der Nähe von Wärmequellen.
- Stellen Sie das Gerät niemals auf Oberflächen, die wärmeempfindlich sind.
- Schützen Sie das Gerät vor Nässe, Staub, Flüssigkeiten und Dämpfen.
- Verwenden Sie das Gerät nicht in Feuchträumen und keinesfalls in explosionsgefährdeten Bereichen.
- Verwenden Sie zur Reinigung keine lösungsmittelhaltigen Putzmittel, sondern lediglich ein weiches, trockenes Antistatik Tuch.
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Aufstellungs- und Montageort

Allgemein:

Die ALL-PoE-CO2-LAMP darf nur in trockenen Innenbereichen verwendet werden. Sorgen Sie für ausreichende Belüftung. Der Einbau hat so zu erfolgen, dass die Kabel (Netzwerkkabel und Anschlusskabel) nicht unter Zug sind, da diese sich sonst lösen können. Montieren Sie den Sensor idealerweise unterhalb der Kopfhöhe der Personen und mittig im Raum, weil das CO₂-Gas schwerer als Luft ist und sich in Bodennähe sammelt. Eine Positionierung im Bereich der Fenster oder das Aufstellen direkt entlang einer Wand oder zum Flur hin ist nicht sinnvoll.

HINWEIS:

Das Gerät kann auch „standalone“ ohne jegliche Konfiguration verwendet werden. Aufzeichnungsoptionen sind dann aber nicht gegeben!

Die gemessenen Werte werden nach folgendem Farbschlüssel angezeigt:

CO₂-Messwert	Farbe der Anzeige
0~999 ppm	GRÜN
1000~1999 ppm	GELB
2000~10000 ppm	ROT

2. Standardwerte:

Default IP-Adresse	DHCP
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Dem Gerät wird die IP-Adresse im Auslieferungszustand von Ihrem Router zugewiesen. Prüfen Sie bitte in der Clientliste Ihres Routers, welche IP-Adresse das Gerät erhalten hat oder blicken Sie auf das Display auf der Rückseite des Gerätes.

Zurücksetzen auf Werkseinstellungen

Für den Fall, dass Ihre ALL-PoE-CO2-LAMP durch fehlerhafte Benutzereinstellungen oder ein vergessenes Passwort nicht mehr erreichbar ist, können Sie über nachfolgende Reset-Prozedur alle Einstellungen im Gerät wieder auf den Auslieferungszustand zurücksetzen (alle bisherigen Einstellungen und Werte gehen dabei verloren):

- Gerät stromlos machen.
- Mittels eines nichtleitenden spitzen Gegenstandes (z.B. Zahnstocher) die RESET-Taste drücken und gedrückt halten.
- **Der Knopf muss gedrückt bleiben!**
- Die ALL-PoE-CO2-LAMP nun wieder mit Strom versorgen und ca. 45 Sekunden warten.
- Erst jetzt die Reset-Taste wieder loslassen.

Jetzt ist der Reset-Vorgang abgeschlossen und alle Einstellungen sind wieder im Auslieferungszustand.

3. Anpassen der ALL-PoE-CO2-LAMP an Ihr Netzwerk

- a. Verbinden Sie Ihre ALL-PoE-CO2-LAMP mittels beigefügtem LAN Kabel mit Ihrem Netzwerk. Achten Sie dabei darauf, dass die Stecker hörbar einrasten.
- b. Die ALL-PoE-CO2-LAMP kommuniziert mit Hilfe des TCP/IP-Protokolls mit den angeschlossenen Komponenten. Damit die ALL-PoE-CO2-LAMP von Ihrem PC/MAC erkannt wird, müssen sich die ALL-PoE-CO2-LAMP und der PC/MAC im selben Netzwerksegment befinden. Standardmäßig erhält die ALL-PoE-CO2-LAMP eine IP-Adresse von Ihrem Router.
- c. Prüfen Sie bitte in der Clientliste Ihres Routers, welche IP-Adresse das Gerät erhalten hat oder blicken Sie auf das Display auf der Rückseite des Gerätes.
- d. Wenn Sie nun im Webbrowser (Firefox, Chrome, etc..) die IP-Adresse eingeben, erscheint die erste Seite zur Spracheinstellung der ALL-PoE-CO2-LAMP:



- e. Wählen Sie die gewünschte Sprache im Dropdown-Menü aus und speichern Sie Ihre Einstellungen ab. Sie werden automatisch auf den nächsten Konfigurationspunkt weitergeleitet.
- f. Hier können Sie der ALL-PoE-CO2-LAMP eine feste IP-Adresse aus Ihrem Netzwerksegment geben oder die DHCP-Einstellung beibehalten.
Statisch: Die IP-Einstellungen können hier manuell festgelegt werden.
DHCP: Die ALL-PoE-CO2-LAMP bezieht automatisch eine IP aus dem Bereich Ihres Routers.
Bestätigen Sie die Einstellungen mit „Eingaben speichern“.

The screenshot shows a network configuration interface with three main sections:

- Netzwerk Einstellung:** Contains a text input for 'ALL-PoE-Co2-LAMP' labeled 'HOSTNAME', an empty input for 'DOMAIN', and radio buttons for 'statisch' (selected) and 'DHCP' under 'IP ADRESS EINSTELLUNG'.
- Manuelle Netzwerk Einstellung:** Contains five text inputs: '192.168.3.159' (IP ADRESSE), '255.255.255.0' (NETMASK), '192.168.3.254' (DEFAULT GATEWAY), '8.8.8.8' (ERSTER DNS), and '8.8.4.4' (ZWEITER DNS).
- Wireless Einstellungen:** Contains radio buttons for 'Ausgeschaltet' (selected), 'Access Point', and 'Wireless Client' under 'WLAN MODE'. To the right, it shows '192.168.3.159' as the 'IP ADRESSE'.

An 'Eingaben Speichern' button is located at the bottom center.

- g. Das Gerät übernimmt nun die Einstellungen. Dieser Vorgang dauert 10 Sekunden. Die Seite wird dann mit der von Ihnen konfigurierten IP-Adresse neu geladen.
- h. Es erscheint nun eine Seite mit den Zeiteinstellungen. Hier können Sie einen eigenen Zeitserver definieren, die bereits eingetragenen Zeitserver verwenden oder die Zeit manuell einstellen.

The screenshot shows a time configuration interface with the following sections:

- Zeitzone:** Features dropdown menus for 'Europe' (REGION) and 'Berlin' (STADT / ORT).
- Zeitserver:** Includes radio buttons for 'Aktiviert' (selected) and 'Deaktiviert' under 'ZEITSERVER AKTIVIEREN ODER DEAKTIVIEREN'. It also has 'Test' and 'Log Datei' buttons under 'EINSTELLUNGEN / ÜBERTRAGUNG TESTEN'.
- NTP Servers:** Four text inputs for 'ptbtime1.ptb.de' (NTP SERVER 1), 'ptbtime2.ptb.de' (NTP SERVER 2), 'ntp0.fau.de' (NTP SERVER 3), and 'pool.ntp.org' (NTP SERVERPOOL).
- Zeit Anzeige (kann nur geändert werden wenn der Zeitserver deaktiviert ist):** Contains text inputs for '09:50:57' (SYSTEM ZEIT) and '11.02.2021' (SYSTEM DATUM).

An 'Eingaben Speichern' button is located at the bottom center.

- i. Speichern Sie Ihre Einstellungen mit „Eingaben Speichern“ ab.

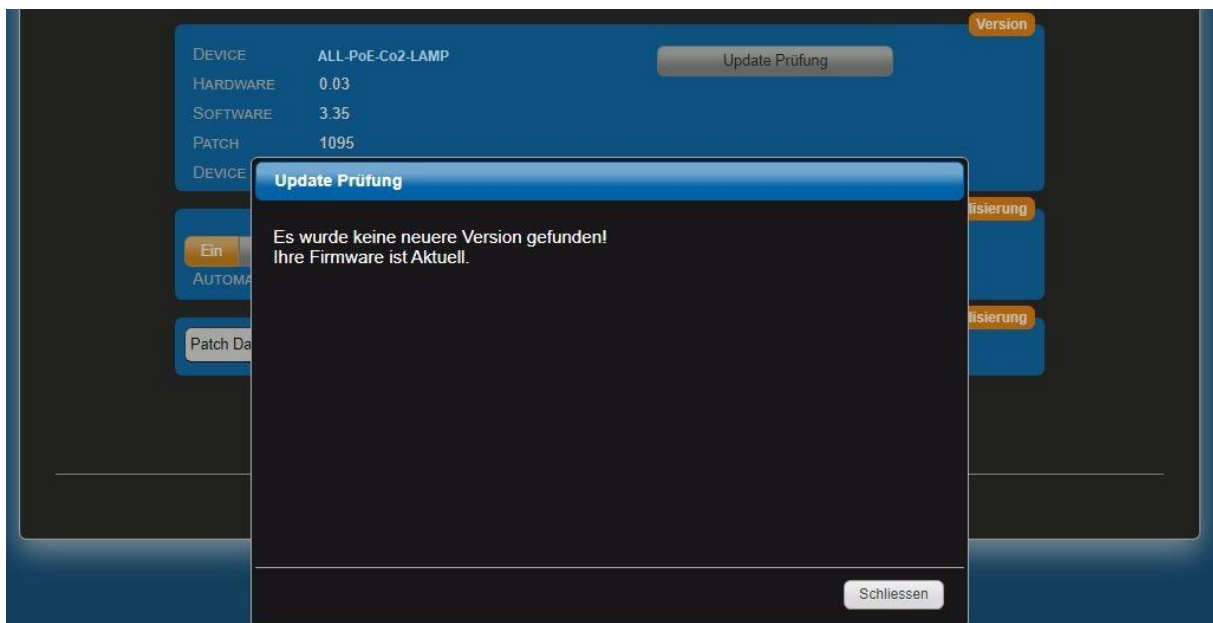
HINWEIS:

Da das Gerät keine eingebaute Batterie für die Uhr besitzt, geht die manuell eingestellte Zeit bei einem Stromausfall verloren. Die Einstellung mit dem Zeitserver ist also sinnvoller.

4. Prüfung auf Updates

Nachdem Sie die IP-Konfiguration durchgeführt haben, wird empfohlen, die ALL-POE-CO2-LAMP auf die aktuellste Software Version zu aktualisieren. Navigieren Sie hierzu zu Konfiguration -> Update Einstellungen. Wenn Sie auf „Update Prüfung“ klicken erhalten Sie entweder die Meldung

- a. Es wurde keine neuere Version gefunden
oder
- b. Update installieren



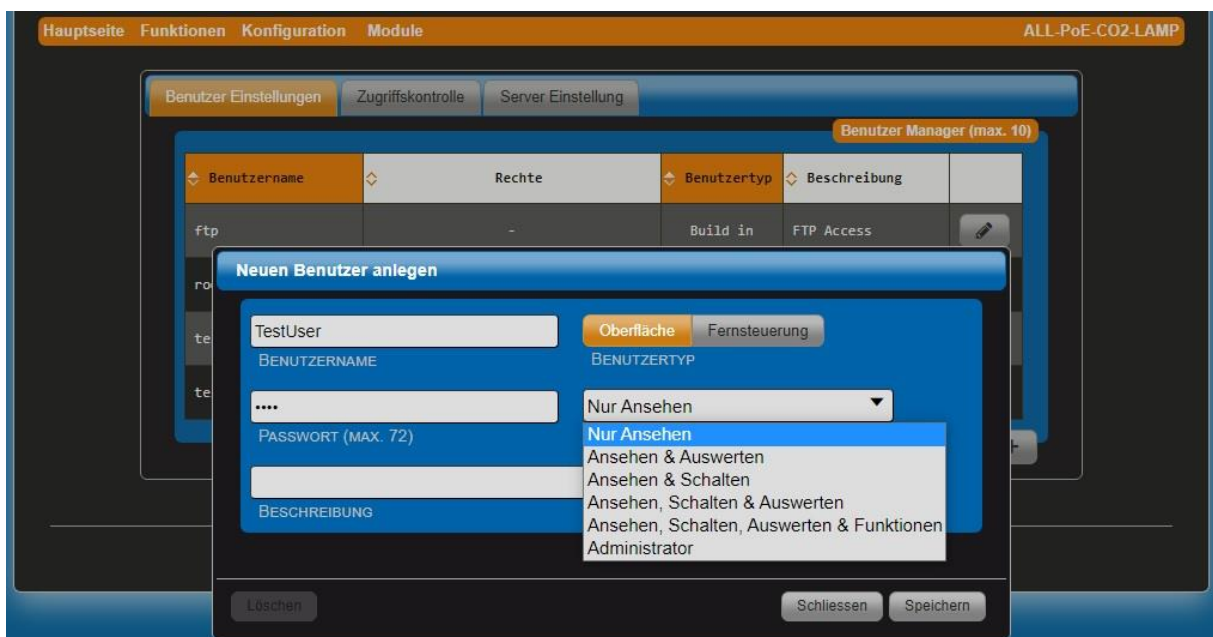
Führen Sie die „Update Prüfung“ ggfs. mehrmals durch, bis Sie die obige Anzeige erhalten.

5. User anlegen

Damit nur Sie alleine Zugriff auf die Konfiguration der ALL-PoE-CO2-LAMP haben, sollten Sie ein Admin-Konto anlegen.

Begeben Sie sich zu Konfiguration -> Server und Benutzer > Reiter „Benutzer-Einstellungen“.

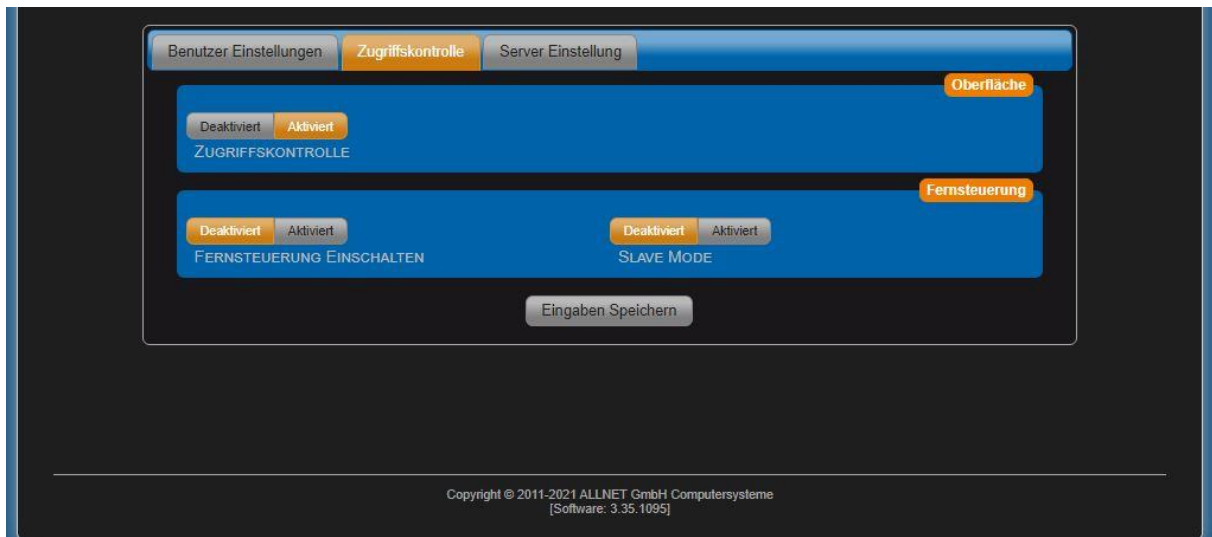
Hier können Sie nun Admin-Benutzer oder normale Benutzer anlegen. Der Admin-Benutzer hat vollen Zugriff über das Webinterface, während den „normalen“ Benutzern verschiedene Rechte vergeben werden können (z.B. nur Ansehen, Ansehen & Auswerten, etc.).



Damit anschließend die Login-Abfrage erscheint, müssen Sie zusätzlich die Zugriffskontrolle aktivieren.

Begeben Sie sich zu Konfiguration -> Server und Benutzer > Reiter „Zugriffskontrolle“.

Setzen Sie die Zugriffskontrolle auf „Aktiviert“.



6. Access-Point Konfiguration

Sie können die ALL-PoE-CO2-LAMP auch als eigenen WLAN-Zugangspunkt konfigurieren.

Unter Konfiguration -> Netzwerk Einstellungen können Sie die Einstellungen für den Access Point Modus tätigen.



SSID: Hier können Sie einen beliebigen Netzwerknamen eintragen. Dieser Name wird beim Scannen des Netzwerks angezeigt.

Kanal: Hier wird der Sendekanal ausgewählt.

Empfohlen wird im 2.4GHz Frequenzband Kanal 1, 6 oder 11.

WLAN Auth Mode: Hier können Sie den Verschlüsselungsmodus wählen. WPA2PSK-AES wird empfohlen.

Chiffrierschlüssel: Hier können Sie einen beliebigen WLAN-Schlüssel eintragen. Dieser wird beim Verbinden mit der ALL-PoE-CO2-LAMP erfragt. Verwenden Sie ein sicheres Passwort mit mindestens 8 Zeichen.

Bestätigen Sie zuletzt Ihre Parameter mit „Eingaben Speichern“.

Die Eingaben werden übernommen. Dieser Vorgang dauert 120 Sekunden.

7. Wireless-Client Konfiguration

Sie können die ALL-PoE-CO2-LAMP auch mit einem bestehenden WLAN-Netz verbinden.

Unter Konfiguration -> Netzwerk Einstellungen können Sie die Konfigurationen für eine WLAN Anbindung tätigen.



Wählen Sie Wireless Client, um das Gerät mit einem bestehenden Netz zu verbinden. Klicken Sie auf „Suche Accesspoints“, um nach Ihrem WLAN-Netz zu suchen.

Es werden alle in der Umgebung vorhandenen Netze angezeigt. Selektieren Sie Ihr Netz und betätigen Sie die „Wählen“-Schaltfläche.

Gefundene Accesspoints					
Kanal	SSID	Sicherheit	Signal %	Mode	
1	Mario_WLAN_Test	WPA2PSK-AES	26	11b/g/n	Wählen
1	ACPro	WPA2PSK-AES	18	11b/g/n	Wählen
1	ACPro	WPA2PSK-AES	10	11b/g/n	Wählen
1	ORBID	WPA2PSK-AES	7	11b/g/n	Wählen
1	MSR	WPA2PSK-AES	7	11b/g/n	Wählen
1	MaxiTestnetz	WPA2PSK-AES	7	11b/g/n	Wählen

Die „SSID“ und der „WLAN AUTH MODE“ werden automatisch ausgefüllt. Geben Sie nur noch Ihren WLAN-Schlüssel ein und bestätigen Sie die Einstellungen mit „Eingaben Speichern“.

Wireless Einstellungen

Ausgeschaltet | Access Point | **Wireless Client** | 192.168.3.159
WLAN MODE | IP ADRESSE

WiFi_Test
SSID

WPA2PSK-AES
WLAN AUTH MODE

.....
CHIFFRIERSCHLÜSSEL PASSWORT ANZEIGEN

Das Gerät übernimmt jetzt die Parameter. Dieser Vorgang dauert 120 Sekunden. Das Gerät ist danach über die eingestellte IP-Adresse erreichbar.

WICHTIG:

Nachdem die 120 Sekunden vorüber sind müssen Sie das LAN-Kabel entfernen, um einen Netzwerkkonflikt mit dem WLAN zu vermeiden.

HINWEIS:

Das WLAN-Netz, mit welchem Sie sich verbinden, darf kein LEERZEICHEN in der SSID enthalten. Es wird sonst keine Verbindung aufgebaut!

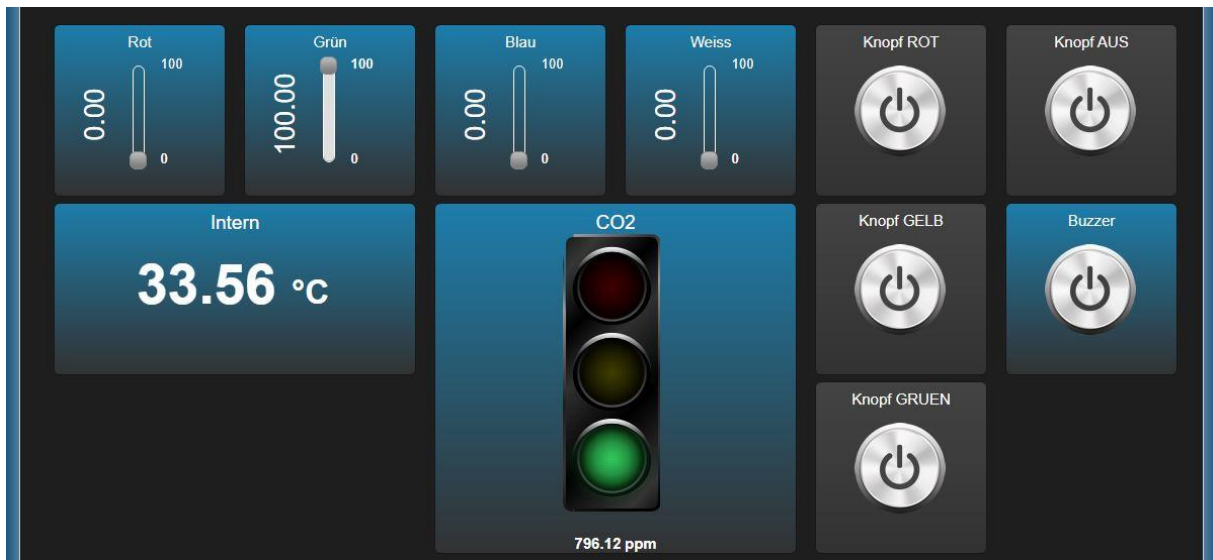
8. Übersichtsseite

Auf der Übersichtsseite (Hauptseite > Übersicht) finden Sie diverse Informationen, wie z.B. den momentanen CO₂-Wert. Sie haben aber auch die Möglichkeit, die Ampel manuell über die Schaltflächen zu bedienen oder die Farben über die Schieberegler zu mischen.

Die Alarmierung erfolgt über eine optische Anzeige (LED) und lässt sich optional akustisch oder per E-Mail realisieren.

Weitere Optionen stehen u.U. über zusätzlich zu ladende Software-Module zur Verfügung (werden bei ALLNET auf der Homepage ggfs. zum Download bereitgestellt).

CO₂-Wert gut – grün



CO₂-Wert mittel – gelb



CO₂-Wert schlecht – rot



Die CO₂-Richtwerte lassen sich beliebig konfigurieren. Dies hat den Vorteil, dass die ALL-PoE-CO₂-LAMP immer flexibel an neue Vorgaben z.B. durch das Umwelt-Bundesamt angepasst werden kann.

Empfohlene und voreingestellte Werte sind:

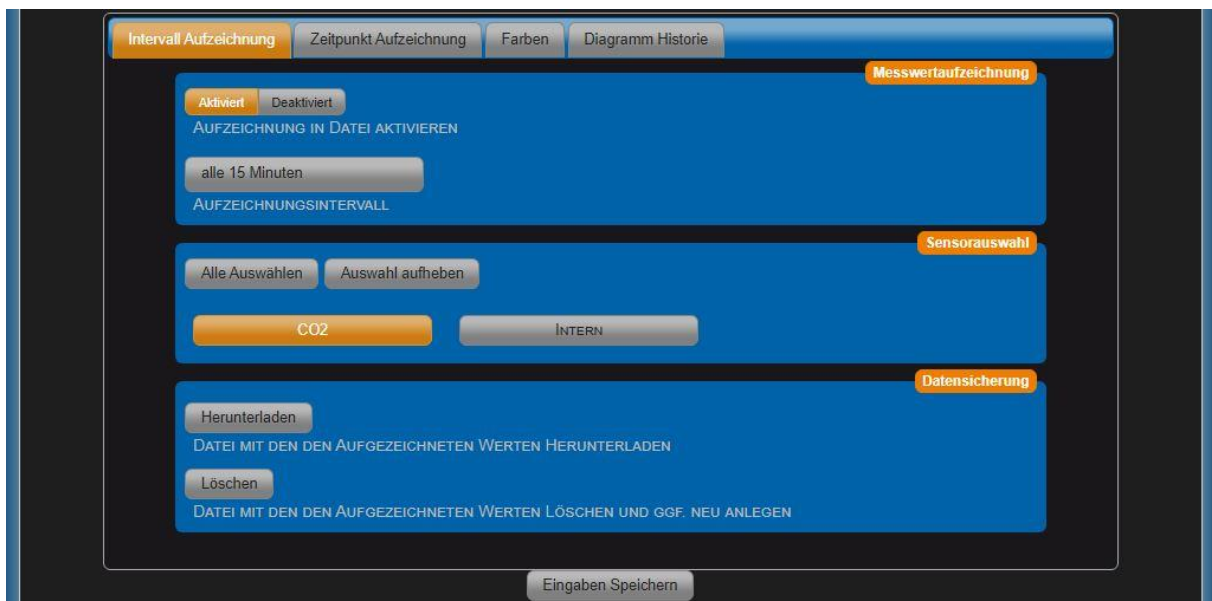
- bei 0~999 ppm: Grün
- bei 1000~1999 ppm: Gelb
- bei 2000~10000 ppm: Rot

9. Aufzeichnung

Die CO₂-Werte lassen sich mit der ALL-PoE-CO₂-LAMP auch aufzeichnen und auswerten.

Begeben Sie sich unter Funktionen > Aufzeichnung.

Aktivieren Sie z.B. die Intervall Aufzeichnung und geben Sie das Aufzeichnungsintervall an. Wählen Sie den aufzuzeichnenden Sensor aus und speichern Sie Ihre Einstellungen ab:



Es gibt zwei Optionen wie Sie die Aufzeichnungen auswerten können:

1. Als *.CSV-Datei herunterladen:
Begeben Sie sich zu Funktionen > Aufzeichnung.
Klicken Sie auf „Herunterladen“ und wählen Sie die Aufzeichnung aus, die Sie herunterladen möchten. Die Auswertung kann dann z.B. mit einer Tabellenkalkulation auf dem PC visualisiert werden.

Intervall Aufzeichnung				
Dateiname	Dateigröße	Herunterladen	Löschen	
2021_02.csv	17.07 kB			
2021_01.csv	47.23 kB			
2020_12.csv	44.75 kB			

2. Interne Auswertungsoption:

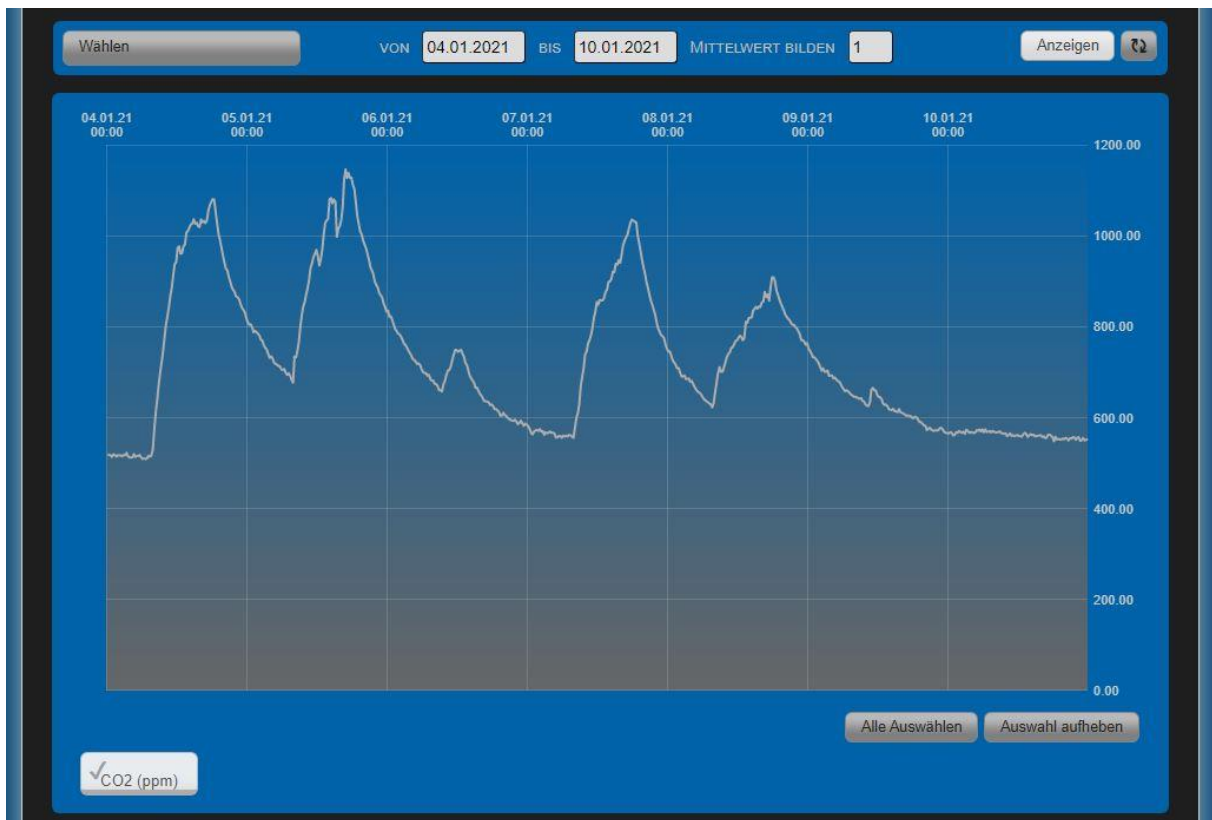
Begeben Sie sich zu Übersicht > Auswertung.

Wählen Sie oben den zu auswertenden Zeitraum aus und klicken Sie auf „Anzeigen“

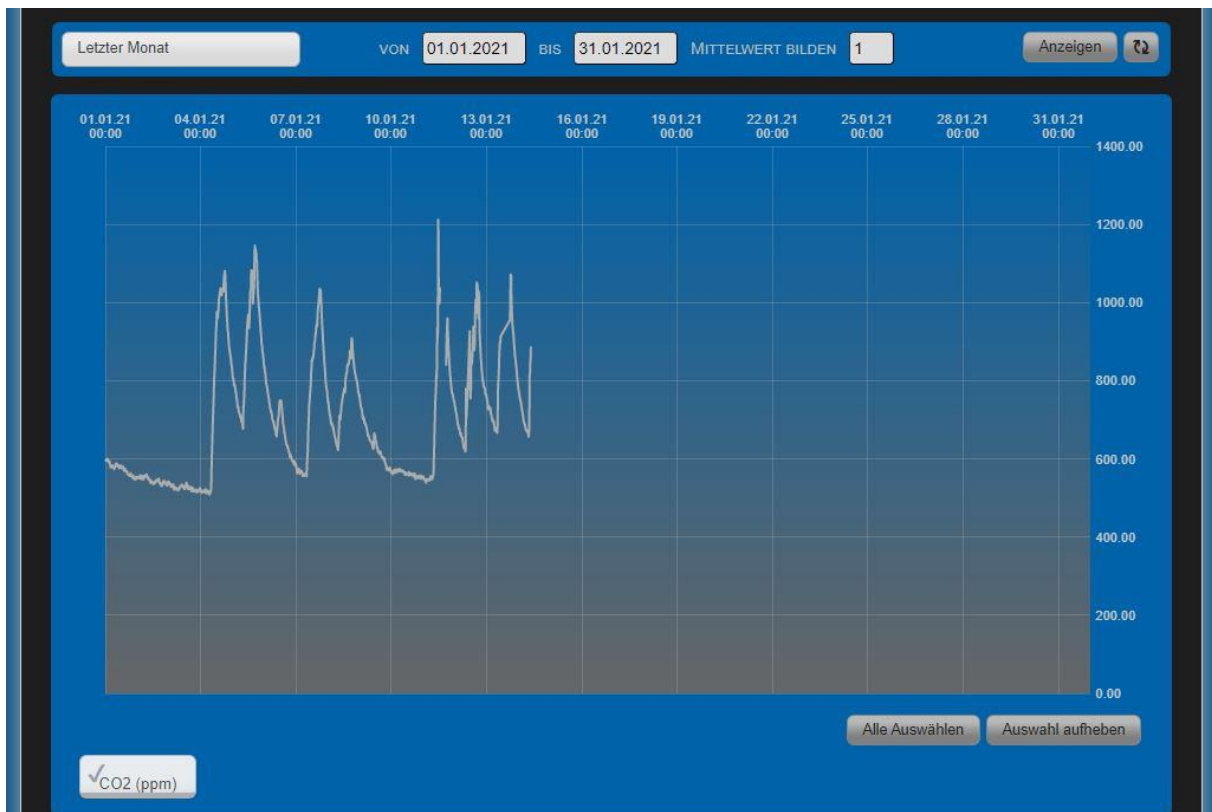
Tagesauswertung:



Wochenauswertung:



Monatsauswertung:



Hiermit erklärt ALLNET GmbH Computersysteme, dass sich das Gerät **ALL-PoE-CO2-LAMP** in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU befindet. Die Konformitätserklärung kann unter folgender Adresse gefunden werden:
<http://ce.allnet.de>

ALLNET GmbH Computersysteme
Maistrasse 2
82110 Germering

Tel. +49 (0)89 894 222 - 22
Fax +49 (0)89 894 222 - 33
Email: [info\(at\)allnet.de](mailto:info(at)allnet.de)

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